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## Oil and Gas Development in Illinois in 1944

BY ALFRED H. BELL AND VIRGINIA KLINE

In 1944, Illinois produced 77,413,000 bbl. of oil, or 4.6 per cent of the total for the United States, and continued to rank sixth in the nation in oil production. This represents a decrease of 6 per cent from 1943, when the total Illinois production was 82,256,000 bbl. This decrease was much less than the 23 per cent decrease in 1943 from production of the previous year. The principal factor in arresting the production decline, which had been going on since 1941, seems to be the increased drilling that followed the relaxing of the Federal Government's rules in regard to well spacing. The daily average production for 1944 was approximately 212,000 bbl. Daily averages by months were as follows:

Jan.....	219,000	July.....	206,000
Feb.....	220,000	Aug.....	211,000
Mar.....	216,000	Sept.....	209,000
Apr.....	211,000	Oct.....	210,000
May.....	213,000	Nov.....	209,000
June.....	209,000	Dec.....	205,000

During the year, 1991 wells were drilled for oil and gas in Illinois as compared with 1791 in 1943, an increase of 11 per cent. Of the 1991 wells, 430 are classified as "wildcat" as compared with 461 in 1943. Twenty-eight new pools (Table 2A) were discovered in 1944 as compared with 29 in 1943. Changes in federal drilling regulations, permitting closer spacing of wells, resulted in a drilling program that emphasized development of proved acreage rather than wildcatting.

Data on production and drilling by fields are given in Table 1; data on annual

production and drilling for Illinois, in Table 3.

### DISCOVERIES

Twenty-eight new fields (Table 2A), 42 extensions (Table 2B), and 39 additional producing zones in existing fields (Table 2C) were discovered in 16 counties in Illinois during 1944. Of the 28 new fields, one was abandoned during the year, 14 were one-well fields, eight others had not more than 6 wells, one had 8, one had 9, one had 11, one had 15, and the largest new field, Roaches North, had 28 producing wells at the end of the year. In all, 109 wells were producing in these new fields on Jan. 2, 1945, as compared with 111 wells producing from 29 new fields at the end of 1943.

The average initial production of the discovery wells of the 28 new fields was 129 bbl. of oil and 11 bbl. of water, a notable decline from the average initial production of 194 bbl. of oil and 15 bbl. of salt water for the 1943 discovery wells.

In fields discovered since 1936, the total number of oil wells producing at the end of 1944 was 12,335.

### PRODUCTIVE ACREAGE

The area of proved production in the new fields (discovered since 1936) increased from 144,335 acres at the end of 1943 to 173,485 acres at the end of 1944 (Table 1), an increase of 29,150 acres. Of this increased area, 1720 acres are in fields discovered during 1944 and 27,430 acres are in extensions of fields discovered earlier.

Reprinted from *Transactions of American Institute of Mining and Metallurgical Engineers* (1945) 160, 293-334.

TABLE 1.—Oil and Gas Production in Illinois

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells/				
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		1944		
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
1	Warrenton-Borton, Edgar.....	1906	100	30,000	0	0	0	22	0	0	
2	Westfield, Clark, Coles.....	1904	9,075	x	x	x	0	1,630	2	3	
3			925	x	x	x	0	188	2	0	
4			9,000	x	x	x	0	1,449	0	0	
5			220	x	x	x	0	13	0	0	
6	Siggins, Cumberland, Clark.....	1906	3,685	x	x	x	0	997	1	0	
7			3,190	x	x	x	0	855	1	0	
8			450	x	x	x	0	90	0	0	
9			960	x	x	x	0	193	0	0	
10	York, Cumberland, Clark.....	1907	350	x	x	x	0	70	0	0	
11	Casey, Clark.....	1906	1,980	x	x	x	0	535	0	3	
12			205	x	x	x	0	41	0	0	
13			400	x	x	x	0	82	0	0	
14			1,540	x	x	x	0	322	0	0	
15	Martinsville, Clark.....	1907	865	x	x	x	0	219	0	2	
16			35	x	x	x	0	7	0	0	
17			310	x	x	x	0	64	0	0	
18			710	x	x	x	0	23	0	0	
19			600	x	x	x	0	35	0	0	
20			640	x	x	x	0	40	0	0	
21			10	x	x	x	0	2	0	0	
22	Johnson North, Clark.....	1907	1,440	x	x	x	0	485	0	1	
23			1,115	x	x	x	0	296	0	0	
24			160	x	x	x	0	32	0	0	
25			825	x	x	x	0	177	0	0	
26			215	x	x	x	0	44	0	0	
27	Johnson South, Clark.....	1907	1,800	x	x	x	x	544	8	22	
28			190	x	x	x	x	38	0	0	
29			295	x	x	x	x	59	0	0	
30			1,710	x	x	x	x	411	8	0	
31			850	x	x	x	x	170	0	0	
32	Bellair, Crawford, Jasper.....	1907	1,305	x	x	x	x	486	0	0	
33			1,165	x	x	x	x	310	0	0	
34			315	x	x	x	x	65	0	0	
35			910	x	x	x	x	182	0	0	
36	Clark County Division <sup>1</sup> .....		20,500	54,242,000	386,000	x	x	4,966	11	3	
37	Main, <sup>2</sup> Crawford.....	1906	35,650	x	x	x	x	7,324	0	181	
38			340	x	x	x	x	68	0	0	
39			34,305	x	x	x	x	7,143	0	0	
40			1,000	x	x	x	x	108	0	0	
41			10	x	x	x	x	1	0	0	
42	New Hebron, Crawford.....	1909	1,560	x	x	x	x	297	0	4	
43	Chapman, Crawford.....	1914	1,560	x	x	x	x	193	0	0	
44	Parker, Crawford.....	1907	1,340	x	x	x	x	256	0	10	
45	Allison-Weger, Crawford.....	x	1,100	x	x	x	x	149	1	13	
46	Flat Rock, <sup>3</sup> Crawford.....	x	1,920	x	x	x	x	290	1	14	
47	Birds, Crawford, Lawrence.....	x	4,485	x	x	x	x	684	0	44	
48	Crawford County Division <sup>4</sup> .....		47,615	151,236,000	1,280,000	x	x	9,193	2	266	
49	Lawrence, Lawrence, Crawford.....	1906	25,800	x	x	x	x	4,438	14	167	
50			60	x	x	x	x	7	2	x	
51			5,050	x	x	x	x	1,233	0	x	
52			2,240	x	x	x	x	481	0	x	
53			1,440	x	x	x	x	243	0	x	
54			16,180	x	x	x	x	3,017	0	x	
55			4,300	x	x	x	x	707	10	x	
56			6,960	x	x	x	x	960	1	x	
57			x	x	x	0	0				
58			x	x	x	0	0				
59			x	x	x	0	0				

<sup>a</sup> Footnotes to column heads and explanation of symbols are given on page 334a.

<sup>1</sup> Total of lines 2, 6, 10, 11, 15, 22, 27, 32.

<sup>2</sup> Includes Kibbie, Oblong, Robinson, and Hardinsville.

<sup>3</sup> Includes Swearingen gas.

<sup>4</sup> Total of lines 37, 42, 43, 44, 45, 46, 47.



TABLE I.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>b</sup>		Secondary Recovery <sup>a</sup>	Character of Oil <sup>c</sup>		Producing Formation					Deepest Zone Tested <sup>d</sup> to End of 1944		
	Oil <sup>d</sup>			Initial	Avg./End 1944		Gravity A.P.I. at 60°F <sup>e</sup>	Sulphur, Per Cent	Name and Age <sup>f</sup>	Character <sup>g</sup>	Porosity, Per Cent	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
1	0	0	0	z	z	W	z	z	Unnamed; Pen	S	P	159	z	ML	"Trenton"	2,212
2	0	290	0	293±	z		34.0	z						D	St. Peter	3,009
3	0	z	0	z	z		30.0	z	Shallow gas; Pen	S	P	281	40	D		
4	0	z	0	z	z		33.5	z	Westfield; MisL	L	Cav	334	z	DC		
5	0	z	0	z	z		38.2	0.18	"Trenton"; Ord	L	Cav	2,265	z	D		
6	0	801	0	z	z	P	33.0	z						D	Dev	2,010
7	0	z	0	z	z		34.0	z	First Siggins; Pen	S	P	367	z	D		
8	0	z	0	z	z		(33.6)	z	2nd & 3rd Siggins; Pen	S	P	478	z	D		
9	0	z	0	z	z		(25.7)	z	Lower Siggins; Pen	S	P	556	40	D		
10	0	0	0	z	z		(30.3)	z	York; Pen	S	P	588	z	AM	Pen	960
11	0	485	0	z	z	P	29.2	z						AM	MisL	808
12	0	z	0	z	z		(31.9)	z	Upper Gas; Pen	S	P	263	z	AM		
13	0	z	0	z	z		(30.1)	z	Lower Gas; Pen	S	P	309	z	AM		
14	0	z	0	z	z		(33.6)	z	Casey; Pen	S	P	444	40	AM		
15	0	114	0	z	z		36.8	z						D	St. Peter	3,411
16	0	z	0	z	z		z	z	Shallow; Pen	S	P	255	z	AM		
17	0	z	0	z	z		z	z	Casey; Pen	S	P	500	z	D		
18	0	z	0	z	z		z	z	Martinsville; MisL	L	P	477	z	D		
19	0	z	0	z	z		(38.9)	z	Carper; MisL	L	P	1,340	z	D		
20	0	z	0	z	z		z	z	"Niagara"; Dev	L	Cav	1,550	z	D		
21	0	z	0	z	z		(39.6)	z	"Trenton"; Ord	L	Cav	2,700	z	D		
22	0	432	0	z	z		31.0	z						AM	Mis	965
23	0	z	0	z	z		z	z	Claypool; Pen	S	P	416	z	AM		
24	0	z	0	z	z		z	z	Shallow; Pen	S	P	314	z	AM		
25	0	z	0	z	z		z	z	Casey; Pen	S	P	465	z	AM		
26	0	z	0	z	z		z	z	Upper Partlow; Pen	S	P	535	z	AM		
27	0	448	0	z	z	P	32.2	z						AM	Dev	2,030
28	0	z	0	z	z		z	z	Claypool; Pen	S	P	392	z	AM		
29	0	z	0	z	z		z	z	Casey; Pen	S	P	453	z	AM		
30	0	z	0	z	z		z	z	Upper Partlow; Pen	S	P	489	z	AM		
31	0	z	0	z	z		28.5	z	Lower Partlow; Pen	S	P	598	z	AM		
32	0	371	0	z	z	P	33.7	z						AM	MisL	1,471
33	0	z	0	z	z		(32.4)	z	"500 ft."; Pen	S	P	561	z	AM		
34	0	z	0	z	z		z	z	"800 ft."; Pen	S	P	817	z	AM		
35	0	z	0	z	z		(37.0)	z	"900 ft."; MisU	S	P	886	z	AM		
36	0	2,941	0	z	z		33.0	z							St. Peter	3,411
37	0	4,442	z	425±	z	P	33.0	z							St. Peter	4,654
38	0	z	z	z	z		z	z	Shallow; Pen	S	P	508	z	ML		
39	0	z	z	z	z		32.8	z	Robinson; Pen	S	P	900	25±	ML		
40	0	z	z	z	z		z	z	Oblong; Mis	SL	P	1,337	z	A, ML		
41	0	1	0	z	z		z	z	Devonian; Dev	L	P	2,794	11	ML		
42	0	142	0	z	z	P	30.1	z	Robinson; Pen	S	P	940	25	ML	Mis	2,056
43	0	60	0	z	z		z	z	Robinson; Pen	S	P	995	25	ML	Mis	2,279
44	0	199	0	z	z	P	29.5	z	Robinson; Pen	S	P	1,000	25	ML	Pen	1,127
45	0	54	0	z	z		22.5	z	Robinson; Pen	S	P	912	20	ML	Pen	1,041
46	0	112	z	z	z		31.8	z	Robinson (Flat Rock); Pen	S	P	935	z	ML	Dev	3,110
47	0	338	0	z	z	W	31.8	z	Robinson; Pen	S	P	930	28	ML	MisL	1,731
48	0	5,347	z	425±	z		32.3	z							St. Peter	4,654
49	0	2,927	0	650±	z		32.9	z							St. Peter	5,190
50	0	7	0	z	z		z	z	Pennsylvanian; Pen	S	P	290	z	A		
51	0	z	0	z	z		z	z	Bridgeport; Pen	S	P	800	40	A		
52	0	z	0	z	z		z	z	Buchanan; Pen	S	P	1,250	15	A		
53	0	z	0	z	z		z	z	"Gas"; MisU	S	P	1,330	15	A		
54	0	z	0	600±	z		z	z	Kirkwood; MisU	S	P	1,400	30	A		
55	0	z	0	650±	z		z	z	Tracey; MisU	S	P	1,560	20	A		
56	0	z	0	z	z		z	z	McClosky; MisL	L	P	1,700	10	A		
57				z	z		z	z	Aux Vases; MisU <sup>25</sup>	S	P	1,980	z	M		
58				z	z		z	z	Levias; MisL <sup>25</sup>	L	P	2,022	z	MC		
59				z	z		z	z	Rosiclare; MisL <sup>25</sup>	SL	P	2,038	z	MC		

<sup>a</sup> Pressures in Southeastern Illinois oil fields are estimated bottom-hole pressures reported in previous Survey publications.<sup>b</sup> Gravities given prior to 1936 (except those in parentheses) were from data for the year 1925 furnished by the Ohio Pipe Line Co. (formerly called the Illinois Pipe Line Co.). Gravities in parentheses are for particular samples (see Ill. State Geological Survey Bull. 54, Table 3). The values have been converted from Baumé to A.P.I. gravities.<sup>c</sup> Producing in combination wells only.<sup>d</sup> Discrepancies between original completions and present producing wells in various pays are due to wells that were worked over.

TABLE 1.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Dis-covery	Oil Production			Gas Production		Number of Oil and/or Ggs Wells/			
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
60	St. Francisville, Lawrence.....	z	420	z	z	z	z	55	0	0	
61	Lawrence County Division <sup>7</sup> .....		26,220	233,538,000	1,615,000	z	z	4,493	14	167	
62	Allendale, <sup>8</sup> Wabash, Lawrence.....	1912	2,600	7,139,000	800,000	z	z	545	17	5	
63			z	z	z	z	z	z	z	z	
64			z	z	z	z	z	z	z	z	
65			z	z	z	z	z	z	z	z	
66			z	z	z	z	z	473	6	0	
67			z	z	z	z	z	z	z	z	
68			z	z	z	z	z	4	1	0	
69			z	z	z	z	z	6	0	0	
70			z	z	z	z	z	14	8	0	
71			z	z	z	z	z	37	1	0	
72			z	z	z	z	z	z	z	0	
73			z	z	z	z	z	9	0	0	
73	Total Southeastern Fields <sup>9</sup> .....		97,035	446,185,000	4,081,000	z	z	19,219	44	469	
74	Ayers gas, Bond.....	1922	325	0	0	235.9	14.7	21	0	0	
75	Greenville gas, Bond.....	1910 <sup>1</sup>	160	0	0	990.0	0	4	0	0	
76	Bartelso, Clinton.....	1936	580	1,479,000	123,000	0	0	73	0	3	
77			320	916,000	55,000	0	0	48	0	3	
78			230	563,000	68,000	0	0	25	0	0	
79	Carlyle, Clinton.....	1911	915	3,509,000	28,000	0	0	165	0	0	
80	Frogtown, Clinton.....	1918 <sup>10</sup>	300	z	0	0	0	12	0	0	
81	Ava-Campbell Hill, Jackson.....	1917 <sup>11</sup>	440	z	0	z	0	35	0	0	
82	Colmar-Plymouth, McDonough, Hancock	1914	2,450	3,099,000	108,000	0	0	486	0	0	
83	Carlville, Macoupin.....	1909 <sup>12</sup>	80	z	1,000	z	0	8	0	0	
84	Gillespie-Benld gas, Macoupin.....	1923 <sup>13</sup>	80	0	0	135.8	0	4	0	0	
85	Gillespie-Wyen, Macoupin.....	1915	40	z	3,000	0	0	22	0	0	
86	Spanish Needle Creek gas, Macoupin.....	1915 <sup>14</sup>	80	0	0	14.4	0	7	0	0	
87	Staunton gas, Macoupin.....	1916 <sup>15</sup>	400	0	0	1,050.0	0	18	0	0	
88	Collinsville, Madison.....	1909 <sup>16</sup>	40	850	0	0	0	6	0	0	
89	Brown, Langewiesch-Kuester, Junction City, Marion	1910	175	z	z	0	0	14	0	0	
90			60	z	z	0	0	7	0	0	
91			115	z	z	0	0	7	0	0	
92	Sandoval, Marion.....	1909	770	5,155,000	96,000	0	0	150	0	2	
93			770	2,702,000	2,000	0	0	123	0	0	
94			380	2,452,000	93,000	0	0	27	0	2	
95	Wamac, Marion, Clinton, Washington....	1921	250	479,000	10,000	0	0	106	0	0	
96	Litchfield, Montgomery.....	1879 <sup>17</sup>	100	22,900	100	0	0	18	0	0	
97	Waterloo, Monroe.....	1920 <sup>18</sup>	230	226,000	2,000	0	0	41	0	0	
98	Jacksonville gas, Morgan.....	1910 <sup>19</sup>	1,320	2,000	0	z	0	53	0	0	
99	Pittsfield gas, Pike.....	1886 <sup>20</sup>	8,960	0	0	z	0	68	0	0	
100	Sparta, Randolph.....	1888 <sup>21</sup>	165	z	0	z	0	20	0	0	
101	Dupo, St. Clair.....	1928	670	1,894,000	15,000	z	0	299	4	1	
102	Total of fields discovered prior to Jan. 1, 1937 <sup>22</sup>		115,565	461,361,000	4,467,000	2,426.1	14.7	20,894	48	475	
103	Beaver Creek, Bond.....	1942	140	26,000	19,000	0	0	9	7	0	
104	Sorento, Bond.....	1935 <sup>23</sup>	30	4,000	0	0	0	3	0	0	
105	Woburn, Bond.....	1940	210	447,000	42,000	0	0	28	0	0	

<sup>7</sup> Total of lines 49 and 60.<sup>8</sup> Total of lines 1, 36, 48, 61, 62.<sup>9</sup> Abandoned 1923.<sup>10</sup> Abandoned 1933.<sup>11</sup> Abandoned 1934.<sup>12</sup> Abandoned 1925, revived 1942.<sup>13</sup> Abandoned 1935.<sup>14</sup> Abandoned 1934.<sup>15</sup> Abandoned 1919.<sup>16</sup> Abandoned 1921.<sup>17</sup> Abandoned 1904, revived 1942, abandoned 1944.<sup>18</sup> Abandoned 1930, revived 1939.<sup>19</sup> Abandoned 1937.<sup>20</sup> Gas not used until 1905, abandoned 1930.<sup>21</sup> Abandoned 1900.<sup>22</sup> Total of lines 66 to 94 inclusive. Cumulative oil production total based on U. S. Bureau of Mines monthly report.<sup>23</sup> Abandoned 1944.

TABLE I.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>b</sup>		Character of Oil <sup>c</sup>		Producing Formation						Deepest Zone Tested <sup>d</sup> to End of 1944			
	Oil <sup>4a</sup>			Initial	Avg./End 1944	Secondary Recovery <sup>4a</sup>	Gravity A.P.I. at 60°F <sup>b</sup>	Sulphur, Per Cent	Name and Age <sup>j</sup>	Character <sup>k</sup>	Porosity, Per Cent <sup>l</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft	
	Flowing	Artificial Lift	Gas														
60	0	30	0	600	z		37.3	z	Bethel; MisU	S	P	1,843	22	ML	Mis	1,900	
61	0	2,957	0	z	z	W									St. Peter	5,190	
62	0	307	0	z	z											MisL	2,367
63	0	z	0	z	z		z	z	Bridgeport; Pen	S	P	1,069	12	AM			
64	0	z	0	z	z		z	z	Buchanan; Pen	S	P	1,290	15	AM			
65	0	155	0	z	z		35.1	z	Biehl; Pen	S	P	1,425	20	AM			
66	0		z	z	z		z	z	Jordan; <sup>25</sup> Pen	S	P	1,490	10	AM			
67	0	1	0	z	z		z	z	Waltersburg; MisU	S	P	1,540	15	AL			
68	0	6	0	z	z		z	z	Tar Springs; MisU	S	P	1,600	20	AM			
69	0	14	0	z	z		z	z	Cypress; MisU	S	P	1,920	10	AM			
70	0	34	0	z	z		z	z	Bethel; MisU	S	P	2,010	10	AM			
71	0	z	0	z	z		z	z	Rosiclare; MisU	SL	P	2,230	5	AM			
72	0	9	0	900	z		z	z	McClosky; MisL	L	P	2,280	8	AM			
73	0	11,525	z	z	z												
74	0	0	9	335	z				Bethel, MisU	S	P	940	5	A	"Trenton"	3,044	
75	0	0	0	z	z				Lindley (1st, 2nd); MisU	S	P	927	z	A	Dev	2,290	
76	0	62	0	z	z									D	St. Peter	4,212	
77	0	39	0	z	z		36.2	0.20	Carlyle; MisU	S	P	984	24	D			
78	0	23	0	z	z		41.5	0.27	Devonian; Dev	L	Cav	2,420	9	D			
79	0	26	0	z	z		35.2	0.26	Carlyle; MisU	S	P	1,035	20	A	St. Peter	4,120	
80	0	0	0	z	z		31.9	z	Carlyle; MisU	S	P	950	7	A	Cypress	962	
81	0	0	0	z	z		z	z	Cypress; MisU	S	P	780	18	A	Dev	2,530	
82	0	228	0	z	z		37.6	0.38	Hoing; Dev	S	P	450	21	AL	"Trenton"	805	
83	0	4	0	135	z		27.7	z	Unnamed; Pen	S	P	380	z	A	Pen	410	
84	0	0	0	155	z				Unnamed; Pen	S	P	542	z	A	Pen	575	
85	0	8	0	z	z		30.0	z	Unnamed; Pen	S	P	650	z	T	"Trenton"	2,560	
86	0	0	0	z	z				Unnamed; Pen	S	P	305	z	D	Pen	495	
87	0	0	0	145	z				Unnamed; Pen	S	P	461	z	A	"Trenton"	2,371	
88	0	0	0	z	z		z	z	Dev-Sil	L	Cav	1,305	20	ML	Sil	1,500	
89	0	5	0														
90	0	z	0	z	z		32.0	z	Dykstra, Wilson; Pen	S	P	610	20	D	MisL	2,001	
91	0	z	0	z	z		32.0	z	Cypress; MisU	S	P	1,658	15	D	Dev	3,344	
92	0	22	0	z	z									D	St. Peter	5,023	
93	0	8	0	z	z		34.5	z	Benoist; MisU	S	P	1,540	20±	D			
94	0	15	0	z	z		38.0	0.38	Devonian; Dev	L	Cav	2,924	9	D			
95	0	20	0	z	z		30.2	z	Petro; Pen	S	P	720	20	D	MisL	1,760	
96	0	1	0	z	z		23.0	0.42	Unnamed; Pen	S	P	664	z	D	Pen	681	
97	0	4	0	z	z		30.2	0.79	"Trenton"; Ord	L	Cav	410	50	A	"Trenton"	845	
98	0	0	0	z	z		z	z	Gas; Pen, MisL	S, SL	P	330	5	ML	"Trenton"	1,390	
99	0	0	0	z	z				"Niagaran"; Sil	L	P	265	10	A	St. Peter	893	
100	0	0	0	z	z		z	z	Cypress; MisU	S	P	850	7	D	MisU	985	
101	0	88	0	z	z		32.7	0.70	"Trenton"; Ord	L	Cav	561	50	A	New Richmond	1,800	
102	0	12,020	z														
103	0	9	0	z	z		34.2	0.25	Benoist; MisU	S	P	1,180	8	A	Dev	2,526	
104	0	0	0	z	z		35.4	z	Devonian; Dev	L	P	1,830	5	A	Dev	1,900	
105	0	28	0	z	z		36.4	0.20	Benoist; MisU	S	P	1,010	11	A	Dev	2,476	

TABLE 1.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production		Number of Oil and/or Gas Wells/			
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
106	Mt. Auburn, <i>Christian</i> .....	1943	40	7,000	4,000		0	0	1	0	0
107	Bible Grove East, <i>Clay</i> .....	1944	20	x	x		0	0	2	2	0
108	Bible Grove South, <i>Clay</i> .....	1942	20	27,000	9,000		0	0	1	0	0
109	Clay City West, <i>Clay</i> .....	1941	360	1,018,000	60,000		0	0	15	1	0
110	Flora, <i>Clay</i> .....	1938	640	589,000	135,000		0	0	32	4	0
111			10	x	x		0	0	1	0	0
112			x	x	x		0	0	3	0	0
113			x	x	x		0	0	2	0	0
114			x	x	x		0	0			
115			x	x	x		0	0	23	3	0
116									3	1	0
117	Ingraham, <i>Clay</i> .....	1942 <sup>24</sup>	80	3,000	500		0	0	2	0	1
118	Iola, <i>Clay</i> .....	1939 <sup>27</sup>	2,000	2,100,000	1,079,000		0	0	101	25	0
119			x	x	x		0	0			
120			x	x	x		0	0	8	4	0
121			x	x	x		0	0	4	0	0
122			x	x	x		0	0	53	19	0
123			x	x	x		0	0	8	0	0
124			x	x	x		0	0			
125			x	x	x		0	0			
126			x	x	x		0	0			
127									28	2	0
128	Kenner, <i>Clay</i> .....	1942	520	102,000	90,000		0	0	25	17	0
129			x	x	x		0	0	1	0	0
130	Sailor Springs Consolidated, <i>Clay</i> .....	1941	2,180	1,647,000	520,000		0	0	102	31	2
131			x	x	x		0	0			
132			x	x	x		0	0	36	5	1
133			x	x	x		0	0	63	24	0
134			x	x	x		0	0	5	0	1
135									4	3	0
136	Sailor Springs East, <i>Clay</i> .....	1944	160	9,000	9,000		0	0	9	9	0
137	Toliver, <i>Clay</i> .....	1942 <sup>28</sup>	40	6,000	1,000		0	0	1	0	1
138	Toliver East, <i>Clay</i> .....	1943	60	68,000	57,000		0	0	3	2	0
139	Xenia, <i>Clay</i> .....	1941	40	14,000	3,000		0	0	1	0	0
140	Bible Grove, <i>Clay, Effingham</i> .....	1942	2,400	2,089,000	1,049,000		0	0	122	54	1
141			x	x	x		0	0	114	54	0
142			x	x	x		0	0	8	0	1
143	Clay City Consolidated, <i>Clay, Wayne</i> ...	1937	21,000	35,873,000	5,111,000		0	0	957	165	6
144			x	x	x		0	0	34	2	0
145			x	x	x		0	0	1	0	0
146			x	x	x		0	0	127	90	0
147			x	x	x		0	0	6	1	0
148			x	x	x		0	0	750	68	5
149									19	4	0
150	Bartleso South, <i>Clinton</i> .....	1942	80	10,000	3,000		0	0	2	0	0
151	Boulder, <i>Clinton</i> .....	1941	360	1,536,000	535,000		x	x	35	0	0
152			x	x	x		0	0	24	0	0
153			x	x	x		x	x	11	0	0
154	Centralia West, <i>Clinton</i> .....	1940	90	213,000	48,000		0	0	10	0	0
155	Hoffman, <i>Clinton</i> .....	1939	300	481,000	50,000		0	0	44	0	2
156			x	x	x		0	0	10	0	x
157			x	x	x		0	0	34	0	x
158	Posey, <i>Clinton</i> .....	1941	20	5,000	500		0	0	2	0	0
159	Santa Fe, <i>Clinton</i> .....	1944	10	100	100		0	0	1	1	0
160	Centralia, <i>Clinton, Marion</i> .....	1937	2,850	25,806,000	1,740,000		0	0	906	0	45
161			x	x	x		0	0	23	0	x
162			x	x	x		0	0	562	0	x
163			x	x	x		0	0	0	0	0
164			x	15,250,000	1,015,000		0	0	319	0	x
165			x	31,000	3,000		0	0	2	0	0
166	Cooks Mills, <i>Coles</i> .....	1941	20	5,000	400		0	0	2	0	1

<sup>24</sup> Abandoned 1942, revived 1943, abandoned 1944.<sup>27</sup> Abandoned 1940, revived 1941.<sup>28</sup> Abandoned 1944.

TABLE 1.—(Continued)

Line Number	Wells Producing <sup>2</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>3</sup>		Character of Oil <sup>1</sup>		Producing Formation						Deepest Zone Tested <sup>2</sup> to End of 1944		
	Oil <sup>4,5</sup>			Initial	Avg./End 1944	Secondary Recovery <sup>6</sup>	Gravity A.P.L. at 60°F. <sup>8</sup>	Sulphur, Per Cent	Name and Age <sup>7</sup>	Character <sup>8</sup>	Porosity, Per Cent <sup>9</sup>	Depth to Top of Producing Zone, Ft. <sup>10</sup>	Productive Thickness, Avg. Ft., <sup>11</sup> Net	Structure <sup>12</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
106	0	1	0	z	z		36.6	0.28	Silurian; Sil	L	P	1,900	4	z	Sil	1,938
107	0	2	0	z	z		z	z	Cypress; MisU	z	P	2,510	10	A	MisU	2,539
108	0	1	0	z	z		z	z	Aux Vases; MisU	z	P	2,750	10	ML	MisL	2,945
109	0	15	0	z	z		39.0	0.17	McClosky; MisL	OL	P	3,050	15	A	MisL	3,050
110	0	26	0													3,100
111	0	0	0	z	z		z	z	Tar Springs; MisU	z	P	2,320	12	A		
112	0	1	0	z	z		z	z	Cypress; MisU	z	P	2,595	5	A		
113	0	2	0	z	z		37.4	z	Bethel; MisU	z	P	2,790	20	A		
114	0			z	z		z	z	Aux Vases; MisU <sup>25</sup>	z	P	2,875	28	A		
115	0	20	0	z	z		37.2	0.24	McClosky; MisL	OL	P	2,970	6	A		
116	0	3	0													
117	0	0	0	z	z		z	z	McClosky; MisL	OL	P	3,100	7	MC	MisL	3,140
118	0	99	0												MisL	2,590
119				z	z		z	z	Tar Springs; MisU <sup>25</sup>	z	P	1,890	9	D		
120	0	8	0	z	z		z	z	Weiler; MisU	z	P	2,125	20	D		
121	0	4	0	z	z		36.0	0.14	Bethel; MisU	z	P	2,290	14	D		
122	0	51	0	z	z		35.4	0.25	Aux Vases; MisU	z	P	2,335	11	D		
123	0	8	0	z	z		z	z	McClosky; MisL	OL	P	2,425	10	ML		
124				z	z		z	z	Paint Creek; MisU <sup>25</sup>	z	P	2,240	15	D		
125				z	z		z	z	Renault; MisU <sup>25</sup>	z	P	2,320	9	D		
126				z	z		z	z	Rosiclar; MisL <sup>25</sup>	SL	P	2,410	7	D		
127	0	28	0													
128	0	23	0	z	z		36.8	0.22	Bethel; MisU	S	P	2,660	10	AC	MisL	3,035
129	0	1	0	z	z		z	z	Aux Vases; MisU <sup>25</sup>	S	P	2,810	9	A		
130	0	101	0												MisL	3,460
131				z	z		z	z	Glen Dean; MisU <sup>25</sup>	L	P	2,390	8	A		
132	0	30	0	z	z		39.5	0.17	Tar Springs; MisU	z	P	2,340	15	A		
133	0	63	0	775	z		38.5	0.28	Cypress; MisU	S	P	2,590	14	A		
134	0	4	0	z	z		36.4	z	McClosky; MisL	OL	P	3,000	5	A		
135	0	4	0													
136	0	9	0	z	z		29.0	z	Cypress; MisU	S	P	2,690	8	D	MisU	2,718
137	0	0	0	z	z		37.1	z	McClosky; MisL	OL	P	2,790	10	MC	MisL	2,890
138	0	3	0	z	z		z	z	McClosky; MisL	OL	P	2,840	8	MC	MisL	2,946
139	0	1	0	z	z		35.2	0.19	Aux Vases; MisU	S	P	2,785	12	A	Dev	4,970
140	0	119	0												MisL	2,970
141	0	112	0	z	z		38.0	0.13	Weiler; MisU	S	P	2,490	15	A		
142	0	7	0	z	z		36.2	z	McClosky; MisL	OL	P	2,810	6	A		
143	0	918	0			W									Dev	4,840
144	0	42	0	z	z		37.9	z	Cypress; MisU	S	P	2,670	10	A		
145	0	0	0	z	z		38.0	z	Bethel; MisU <sup>25</sup>	S	P	2,880	5	A		
146	0	126	0	z	z		38.0	z	Aux Vases; MisU	S	P	2,910	15	AL		
147	0	6	0	z	z		38.0	z	Rosiclar; MisL	OL	P	2,970	4	AL		
148	0	645	0	z	z		38.5	z	McClosky; MisL	OL	P	2,980	10	AM		
149	0	97	0													
150	0	2	0	z	z		40.0	0.15	Devonian; Dev	L	Cav	2,465	8	A	Dev	2,652
151	1	31	3												Dev	2,672
152	0	24	0	z	z		36.0	z	Bethel; MisU	S	P	1,190	20	A		
153	1	7	3	z	z		28.2	0.33	Devonian; Dev	L	Cav	2,630	4	A		
154	0	9	0	z	z		37.8	0.17	Bethel; MisU	S	P	1,410	8	N	MisU	1,531
155	0	34	0												Dev	2,914
156	0	z	0	z	z		z	z	Cypress; MisU	S	P	1,885	11	A		
157	0	z	0	z	z		32.2	0.21	Bethel; MisU	S	P	1,320	7	A		
158	0	1	0	z	z		36.1	0.17	Cypress; MisU	S	P	1,100	5	M	MisU	1,265
159	0	1	0	z	z		z	z	Weiler; MisU	S	P	950	19	z	Dev	2,512
160	0	509	0												"Trenton"	4,070
161	0	z	0	z	z		36.4	0.20	Cypress; MisU	S	P	1,200	15	A		
162	0	z	0	z	25±		37.7	0.17	Bethel; MisU	S	P	1,355	20	A		
163	0	2	0	z	z		z	z	McClosky; MisL	OL	P	z	z	A		
164	0	250	0	z	200±		37.4	0.38	Devonian; Dev	L	Cav	2,870	12	A		
165	0	1	0	z	z		43.2	0.28	"Trenton"; Ord	L	Cav	4,020	7	A		
166	0	1	0	z	z		36.4	0.40	Aux Vases; MisU	S	P	1,825	10	M	Dev	3,226

<sup>25</sup> Wells producing from more than one sand, see Table 6.

TABLE 1.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells/		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
167	Mattoon, <i>Coles</i> .....	1939 <sup>29</sup>	320	61,000	28,000		0	0	11	8	0
168			10	<i>x</i>	<i>x</i>		0	0	2	1	0
169			290	<i>x</i>	<i>x</i>		0	0	8	7	0
170			20	<i>x</i>	<i>x</i>		0	0	1	0	0
171	New Bellair, <i>Crawford</i> .....	1942	20	9,000	2,000		0	0	2	0	0
172	Albion Consolidated, <i>Edwards</i> .....	1940	3,000	3,534,000	818,000		0	0	153	62	0
173			<i>x</i>	<i>x</i>	<i>x</i>		0	0	2	2	0
174			<i>x</i>	<i>x</i>	<i>x</i>		0	0	7	1	0
175			<i>x</i>	<i>x</i>	<i>x</i>		0	0	10	10	0
176			<i>x</i>	<i>x</i>	<i>x</i>		0	0			
177			<i>x</i>	<i>x</i>	<i>x</i>		0	0	22	8	0
178			<i>x</i>	<i>x</i>	<i>x</i>		0	0			
179			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
180			<i>x</i>	<i>x</i>	<i>x</i>		0	0	4	1	0
181			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
182			<i>x</i>	<i>x</i>	<i>x</i>		0	0	11	9	0
183			<i>x</i>	<i>x</i>	<i>x</i>		0	0	2	2	0
184			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
185			<i>x</i>	<i>x</i>	<i>x</i>		0	0	66	5	0
186									27	21	0
187	Albion East, <i>Edwards</i> .....	1943	320	183,000	148,000		0	0	11	5	0
188			<i>x</i>	<i>x</i>	<i>x</i>		0	0	4	3	0
189			<i>x</i>	<i>x</i>	<i>x</i>		0	0			
190			<i>x</i>	<i>x</i>	<i>x</i>		0	0			
191			<i>x</i>	<i>x</i>	<i>x</i>		0	0	3	0	0
192			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	0	0
193			<i>x</i>	<i>x</i>	<i>x</i>		0	0			
194									3	2	0
195	Bennington South, <i>Edwards</i> .....	1944	20	6,000	6,000		0	0	1	1	0
196	Bone Gap, <i>Edwards</i> .....	1941	360	587,000	115,000		0	0	19	1	2
197	Browns South, <i>Edwards</i> .....	1943	20	1,000	1,000		0	0	2	1	1
198	Cowling, <i>Edwards</i> .....	1939	220	321,000	24,000		0	0	15	2	0
199			<i>x</i>	<i>x</i>	<i>x</i>		0	0	13	0	0
200			<i>x</i>	<i>x</i>	<i>x</i>		0	0			
201			<i>x</i>	<i>x</i>	<i>x</i>		0	0	2	2	0
202									0	0	0
203	Ellery North, <i>Edwards</i> .....	1942 <sup>30</sup>	20	3,000	0		0	0	1	0	0
204	Ellery South, <i>Edwards</i> .....	1943	80	18,000	11,000		0	0	2	0	1
205	Maple Grove, <i>Edwards</i> .....	1943	520	542,000	318,000		0	0	17	4	0
206	Maple Grove East, <i>Edwards</i> .....	1944	120	12,000	12,000		0	0	3	3	0
207	Samsville, <i>Edwards</i> .....	1942 <sup>31</sup>	20	700	0		0	0	1	0	0
208	Browns, <i>Edwards, Wabash</i> .....	1943	560	186,000	182,000		0	0	18	17	0
209			<i>x</i>	<i>x</i>	<i>x</i>		0	0	4	3	0
210			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
211			<i>x</i>	<i>x</i>	<i>x</i>		0	0	8	8	0
212									5	5	0
213	Lancaster West, <i>Edwards, Wabash</i> .....	1943	80	77,000	29,000		0	0	3	1	0
214			<i>x</i>	<i>x</i>	<i>x</i>		0	0	2	1	0
215			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	0	0
216	Bennington, <i>Edwards, Wayne</i> .....	1943	80	33,000	21,000		0	0	4	2	0
217			<i>x</i>	<i>x</i>	<i>x</i>		0	0	3	1	0
218			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
219	Ellery, <i>Edwards, Wayne</i> .....	1941	40	37,000	7,000		0	0	2	0	0
220			20	<i>x</i>	<i>x</i>		0	0			
221			20	<i>x</i>	<i>x</i>		0	0	2	0	0
222									0	0	0
223	Grayville, <i>Edwards, White</i> .....	1939	300	422,000	103,000		0	0	24	4	1
224			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
225			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
226			<i>x</i>	<i>x</i>	<i>x</i>		0	0	1	1	0
227			<i>x</i>	<i>x</i>	<i>x</i>		0	0	20	0	1
228									1	0	0

<sup>23</sup> Abandoned 1939, revived 1940.<sup>20</sup> Abandoned 1943.<sup>21</sup> Abandoned 1942.



TABLE I.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production		Number of Oil and/or Gas Wells/		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		1944	
				To End of 1944	During 1944		To End of 1944	During 1944	Completed to End of 1944	Completed and Abandoned
229	Hill, Effingham	1943	40	24,000	16,000		0	0	2	0
230	Mason, Effingham	1940	100	171,000	10,000		0	0	9	0
231	Mason South, Effingham	1941	700	655,000	221,000		0	0	45	3
232			x	x	x		0	0	19	0
233			x	x	x		0	0	4	1
234			x	x	x		0	0	4	1
235			x	x	x		0	0	3	0
236									15	1
237	Louden, Effingham, Fayette	1937	20,650	112,607,000	11,271,000		0	0	1,987	1
238			20,080	x	x		0	0	949	1
239			11,000	x	x		0	0	323	0
240			7,010	x	x		0	0	420	0
241			3,130	5,862,000	1,599,000		0	0	84	0
242									211	0
243	La Clede, Fayette	1943	40	2,000	2,000		0	0	1	0
244	St. James, Fayette	1938	1,900	7,703,000	921,000		0	0	192	1
245	St. Paul, Fayette	1941	170	240,000	65,000		0	0	13	0
246	Akin, Franklin	1942	140	208,000	67,000		0	0	7	0
247			x	x	x		0	0	3	0
248			x	x	x		0	0	3	0
249			x	x	x		0	0		
250									1	0
251	Benton, Franklin	1941	2,200	16,268,000	1,558,000		0	0	243	9
252	Benton North, Franklin	1941	200	266,000	66,000		0	0	15	3
253			x	x	x		0	0	1	1
254			x	x	x		0	0	4	1
255			x	x	x		0	0	2	0
256			x	x	x		0	0	2	0
257			x	x	x		0	0	1	0
258			x	x	x		0	0	1	0
259			x	x	x		0	0	2	0
260									2	1
261	Bessie, Franklin	1943	20	15,000	7,000		0	0	1	0
262	Ewing, Franklin	1944	40	3,000	3,000		0	0	1	1
263	Sesser, Franklin	1942	60	46,000	16,000		0	0	5	1
264			x	x	x		0	0	4	0
265			x	x	x		0	0		
266			x	x	x		0	0		
267									1	1
268	Thompsonville, Franklin	1940	220	258,000	17,000		0	0	19	0
269	Thompsonville North, Franklin	1944	10	x	x		0	0	1	1
270	Valier, Franklin	1942	20	2,000	1,000		0	0	1	0
271	West Frankfort, Franklin	1941	150	403,000	268,000		0	0	15	5
272			x	x	x		0	0	14	5
273			x	x	x		0	0	1	0
274	West Frankfort South, Franklin	1943	100	156,000	102,000		0	0	8	0
275			x	x	x		0	0	6	0
276			x	x	x		0	0	2	0
277	Whittington, Franklin	1939	120	45,000	15,000		0	0	3	1
278			x	x	x		0	0	1	0
279			x	x	x		0	0		
280			x	x	x		0	0	1	1
281									1	0
282	Whittington West, Franklin	1943	60	5,000	5,000		0	0	3	2
283			x	x	x		0	0	2	0
284			x	x	x		0	0	1	0
285	Inman, Gallatin	1940	60	60,000	13,000		0	0	8	0
286			x	x	x		0	0	3	0
287			x	x	x		0	0	2	0
288			x	x	x		0	0	2	0
289			x	x	x		0	0	1	0
290	Inman East, Gallatin	1940	1,060	2,560,000	868,000		0	0	98	17
291			x	x	x		0	0	3	0
292			x	x	x		0	0		
293			x	x	x		0	0	1	1

TABLE I.—(Continued)

Line Number	Wells Producing <sup>o</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>o</sup>		Character of Oil <sup>i</sup>		Producing Formation						Deepest Zone Tested <sup>p</sup> to End of 1944	
	Oil <sup>o</sup>			Initial	Avg./End 1944	Gravity A.P.I. at 60° F. <sup>o</sup>	Sulphur, Per Cent	Name and Age <sup>j</sup>	Character <sup>k</sup>	Porosity, Per Cent <sup>l</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas												
229	0	2	0	x	x	39.0	x	McClosky; MisL	L	P	2,570	6	A	MisL	2,675
230	0	2	0	x	x	38.4	0.21	McClosky; MisL	L	P	2,490	14	A	MisL	2,551
231	0	43	0											MisL	2,553
232	0	17	0	x	x	38.0	x	Bethel; MisU	S	P	2,290	20	A		
233	0	4	0	x	x	x	x	Aux Vases; MisU	S	P	2,360	14	A		
234	0	4	0	x	x	x	x	Rosiclar; MisL	S	P	2,430	8	A		
235	0	3	0	x	x	38.4	0.21	McClosky; MisL	L	P	2,450	7	A		
236	0	15	0												
237	167	1,625	0												
238	34	0	0	x	286±	36.6	0.25	Cypress; MisU	S	P	1,495	22	A	St. Peter	4,680
239	0	2	0	x	315±	37.8	0.24	Paint Creek; MisU	S	P	1,538	15	A		
240	0	2	0	x	319±	38.5	0.20	Bethel; MisU	S	P	1,550	16	A		
241	23	59	0	x	1,268	28.2	0.48	Devonian; Dev	L	Cav	3,000	16	A		
242	111	553	0												
243	0	1	0	x	x	x	x	Bethel; MisU	S	P	2,335	20	T	MisL	2,608
244	0	178	0	x	x	34.4	0.31	Cypress; MisU	S	P	1,580	16	A	Dev	3,375
245	0	12	0	x	x	34.0	0.23	Bethel; MisU	S	P	1,885	6	A	Dev	3,570
246	0	7	0											MisL	3,515
247	0	3	0	x	x	32.0	x	Cypress; MisU	S	P	2,840	10	ML		
248	0	4	0	x	x	37.8	0.12	Aux Vases; MisU	S	P	3,120	15	AL		
249	0	0	0	x	x	x	x	McClosky; MisL <sup>25</sup>	S	P	3,226	9	ML		
250	0	0	0												
251	0	236	0	x	x	41.7	0.12	Tar Springs; MisU	S	P	2,100	34	A	MisL	3,205
252	0	15	0											MisL	2,963
253	0	1	0	x	x	x	x	Cypress; MisU	S	P	2,440	10	A		
254	0	4	0	x	x	x	x	Paint Creek; MisU	S	P	2,595	10	A		
255	0	2	0	x	x	38.4	0.15	Bethel; MisU	S	P	2,605	10	A		
256	0	2	0	x	x	39.0	0.15	Aux Vases; MisU	S	P	2,696	10	AL		
257	0	4	0	x	x	37.4	0.17	Levias; MisL	L	P	2,720	8	AC		
258	0	0	0	x	x	38.4	0.15	Rosiclar; MisL	S	P	2,780	7	AL		
259	0	0	0	x	x	x	x	McClosky; MisL	L	P	2,785	5	AC		
260	0	2	0												
261	0	1	0	x	x	38.8	0.15	Levias; MisL	L	P	2,894	11	x	MisL	3,460
262	0	1	0	x	x	x	x	McClosky; MisL	L	P	2,975	6	x	MisL	2,980
263	0	5	0											Dev	4,688
264	0	4	0	0	0	39.2	0.17	Aux Vases; MisU	S	P	2,700	7	x		
265	0	0	0	x	x	x	x	Rosiclar; MisL	S	P	2,836	16	x		
266	0	0	0	x	x	x	x	McClosky; MisL	L	P	2,856	7	x		
267	0	1	0												
268	0	2	0	x	x	37.8	0.16	McClosky; MisL	L	P	3,120	12	A	MisL	3,455
269	0	1	0	x	x	x	x	Aux Vases; MisU	S	P	3,122	11	AL	MisL	3,298
270	0	1	0	x	x	x	x	McClosky; MisL	L	P	2,715	8	ML	MisL	2,725
271	0	15	0											MisL	2,995
272	0	14	0	x	x	38.4	0.13	Tar Springs; MisU	S	P	2,050	15	A		
273	0	1	0	x	x	x	x	Aux Vases; MisU	S	P	2,700	15	AL		
274	0	8	0											MisL	3,156
275	0	6	0	x	x	x	x	Tar Springs; MisU	S	P	2,040	15	A		
276	0	2	0	x	x	37.2	0.23	Levias; MisL	L	P	2,765	8	AC		
277	0	3	0											MisL	3,130
278	0	1	0	x	x	x	x	Cypress; MisU	S	P	2,540	10	A		
279	0	1	0	x	x	x	x	McClosky; MisL <sup>25</sup>	L	P	2,870	5	AC		
280	0	1	0	x	x	x	x	St. Louis; MisL	L	P	3,060	7	AC		
281	0	1	0												
282	0	3	0											MisL	2,942
283	0	2	0	x	x	x	x	Aux Vases; MisU	S	P	2,680	32	AL		
284	0	1	0	x	x	x	x	Levias; MisL	L	P	2,752	20	AC		
285	0	4	0											MisL	3,010
286	0	2	0	x	x	36.0	x	Palestine; MisU	S	P	1,830	10	AL		
287	0	0	0	x	x	x	x	Waltersburg; MisU	S	P	1,990	10	AL		
288	0	1	0	x	x	x	x	Aux Vases; MisU	S	P	2,695	12	AL		
289	0	0	0	x	x	x	x	McClosky; MisU	L	P	2,730	10	AC		
290	0	97	0											MisL	3,020
291	0	3	0	x	x	24.4	0.31	Pennsylvanian; Pen	S	P	780	10	Af		
292	0	0	0	x	x	x	x	Degonia; MisU <sup>25</sup>	S	P	1,690	10	Af		
293	0	0	0	x	x	x	x	Clare; MisU <sup>25</sup>	S	P	1,725	10	Af		

TABLE 1.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>b</sup>	Millions Cu. Ft. <sup>c</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
294			x	x	x		0	0			
295			x	x	x		0	0	15	9	0
296			x	x	x		0	0	45	1	0
297			x	x	x		0	0	0	0	0
298			x	x	x		0	0	15	5	0
299			x	x	x		0	0	4	0	0
300									14	1	0
Inman North, Gallatin.....	1941	50	9,000	0	0	0	0	3	0	0	0
302			x	x	0		0	0	1	0	0
303			x	x	0		0	0	2	0	0
Inman West, Gallatin.....	1942	275	311,000	105,000	0	0	0	20	0	2	0
305			x	x	x		0	0	1	0	0
306			x	x	x		0	0	13	0	2
307			x	x	x		0	0			
308									6	0	0
309	Junction, Gallatin.....	1939	150	211,000	18,000	0	0	14	0	0	0
310	New Haven West, Gallatin.....	1944	160	55,000	55,000	0	0	8	8	0	0
311	Omaha, Gallatin.....	1940	260	963,000	153,000	x	x	21	0	0	0
312			x	x	x		0	0	17	0	0
313			x	x	x		x	x	4	0	0
314									0	0	0
Belle Prairie, Hamilton.....	1940	160	125,000	39,000	0	0	5	3	0	0	0
316	Blairsville, Hamilton.....	1942	660	1,034,000	376,000	0	0	29	5	0	0
317								22	4	0	0
318								1	0	0	0
319								4	1	0	0
320								2	0	0	0
Bungay, Hamilton.....	1941	600	747,000	641,000	0	0	33	20	1	0	0
322			x	x	x		0	0	32	19	1
323			x	x	x		0	0	1	1	0
Dahlgren, Hamilton.....	1941	540	898,000	35,000	0	0	42	0	2	0	0
325	Dale-Hoodville Consolidated, Hamilton.....	1940	5,000	19,240,000	3,132,000	0	0	423	21	8	0
326			x	x	x		0	0	25	4	0
327			x	x	x		0	0	40	3	0
328			x	x	x		0	0	2	2	2
329			x	x	x		0	0	90	3	1
330			x	x	x		0	0	192	7	5
331			x	x	x		0	0	2	0	0
332			x	x	x		0	0			
333			x	x	x		0	0	25	1	0
334								47	1	0	0
Hoodville East, Hamilton.....	1944 <sup>32</sup>	20	600	600	0	0	1	1	1	1	1
336	Rural Hill, Hamilton.....	1941	2,840	7,961,000	909,000	0	0	202	7	1	0
337			x	x	x		0	0	1	0	0
338			x	x	x		0	0			
339			x	x	x		0	0	99	5	0
340			x	x	x		0	0	12	0	0
341			x	x	x		0	0	2	0	0
342			x	x	x		0	0	27	2	1
343								61	0	0	0
Thackeray, Hamilton.....	1944	30	6,000	6,000	0	0	3	3	0	0	0
345	Walpole, Hamilton.....	1941	1,420	2,528,000	717,000	0	0	64	6	0	0
346			x	x	x		0	0	2	0	0
347			x	x	x		0	0	62	6	0
348	West End, Hamilton.....	1944	10	8,000	8,000	0	0	1	1	0	0
349	Elkville, Jackson.....	1941	10	2,000	500	0	0	1	0	0	0
350	Bogota, Jasper.....	1943	200	204,000	150,000	0	0	7	1	0	0
351	Bogota South, Jasper.....	1944	20	4,000	4,000	0	0	1	1	0	0
352	Boos North, Jasper.....	1940	1,075	2,472,000	227,000	0	0	63	0	1	0
353			x	x	x		0	0			
354			x	x	x		0	0	63	0	1
355								0	0	0	0
Hidalgo, Jasper.....	1940 <sup>33</sup>	20	10,000	0	0	0	0	1	0	0	0

<sup>32</sup> Abandoned 1944.<sup>33</sup> Abandoned 1943.

TABLE I.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944		Reservoir Pressure, Lb. per Sq. In. <sup>b</sup>		Secondary Recovery <sup>a</sup>	Character of Oil <sup>c</sup>		Producing Formation					Deepest Zone Tested <sup>d</sup> to End of 1944		
	Oil <sup>4a</sup>		Initial	Avg./End 1944		Gravity A.P.I. at 60°F. <sup>3</sup>	Sulphur, Per Cent	Name and Age <sup>j</sup>	Character <sup>k</sup>	Porosity, Per Cent <sup>l</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft. <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift													
294								Palestine; MisU <sup>25</sup>	S	P	1,840	13	Af		
295	0	18	0					Waltersburg; MisU	P	P	1,980	18	ALf		
296	0	41	0			34.6	0.24	Tar Springs; MisU	P	P	2,080	15	AF		
297	0	2	0					Hardinsburg; MisU	P	P	2,135	8	ALf		
298	0	13	0			35.2	0.23	Cypress; MisU	P	P	2,390	12	ALf		
299	0	4	0					McClosky; MisL	L	P	2,800	10	ACf		
300	0	16	0												
301	0	0	0												
302	0	0	0					Aux Vases; MisU	S	P	2,815	20	ML	MisL	3,020
303	0	0	0			36.6	0.19	McClosky; MisL	L	P	2,860	15	MC		
304	0	18	0												
305	0	1	0					Tar Springs; MisU	S	P	2,175	20	AL		
306	0	11	0			38.0		Cypress; MisU	S	P	2,485	15	AL		
307	0	7	0					McClosky; MisL <sup>25</sup>	L	P	2,875	8	A		
308	0	6	0												
309	0	14	0			37.2	0.22	Waltersburg; MisU	S	P	1,765	15	AF	MisL	2,710
310	0	8	0					Tar Springs; MisU	S	P	2,100	20	Af	MisL	2,930
311	0	18	0												
312	0	12	0			25.9	0.23	Palestine; MisU	S	P	1,690	20	D		2,547
313	0	3	0			27.0	0.24	Tar Springs; MisU	S	P	1,880	15	D		
314	0	3	0												
315	0	5	0			37.0	0.12	McClosky; MisL	L	P	3,445	7		MisL	3,580
316	0	28	0												3,530
317	0	18	0			38.1		Aux Vases; MisU	S	P	3,280	20	AL		
318	0	1	0					Levias; MisL	L	P	3,340	7	AC		
319	0	7	0			38.6	0.13	McClosky; MisL	L	P	3,430	7	AC		
320	0	2	0												
321	0	32	0												
322	0	31	0			36.8	0.24	Aux Vases; MisU	S	P	3,285	15	AL		3,511
323	0	1	0					McClosky; MisL	L	P	3,430	8	AC		
324	0	23	0			38.7	0.18	McClosky; MisL	L	P	3,315	10	A	MisL	3,497
325	0	402	0												5,354
326	0	23	0					Tar Springs; MisU	S	P	2,430	25	AL	Dev	
327	0	40	0			37.6	0.25	Cypress; MisU	S	P	2,680	18	A		
328	0	8	0					Paint Creek; MisU	P	P	2,865		A		
329	0	60	0			39.0	0.19	Bethel; MisU	S	P	2,950	20	A		
330	0	146	0			38.0	0.15	Aux Vases; MisU	L	P	3,020	20	A		
331	0	2	0					Levias; MisL	L	P	3,050	6	AC		
332	0	24	0			38.6		Rosiclare; MisL <sup>26</sup>	SL	P	3,060	15	AC		
333	0	99	0			38.6	0.19	McClosky; MisL	L	P	3,075	5	AC		
334	0	0	0												
335	0	0	0					McClosky; MisL	L	P	3,364	9		MisL	3,387
336	0	185	0												3,450
337	0	1	0												
338	0	73	0					Cypress; MisU	S	P	2,705	22	A	MisL	
339	0	73	0					Paint Creek; MisU <sup>25</sup>	S	P	3,040	20	A		
340	0	12	0			38.0	0.15	Aux Vases; MisU	S	P	3,130	25	A		
341	0	2	0					Levias; MisL	L	P	3,175	15	AC		
342	0	26	0			38.6		Rosiclare; MisL	SL	P	3,200	5	AC		
343	0	71	0			38.6	0.19	McClosky; MisL	L	P	3,230	10	AC		
344	0	3	0												
345	0	64	0					Aux Vases; MisU	S	P	3,390	15	ML	MisU	3,410
346	0	2	0			36.1		Tar Springs; MisU	S	P	2,465	6	AL	MisL	3,331
347	0	62	0			38.4	0.13	Aux Vases; MisU	S	P	3,070	25	A		
348	0	1	0					Aux Vases; MisU	S	P	3,130	14	ML		3,419
349	0	1	0			35.8	0.22	Bethel; MisU	S	P	2,000	10		MisL	2,387
350	0	7	0					McClosky; MisL	L	P	3,110	10		A	3,234
351	0	1	0					McClosky; MisL	L	P	3,054	4	ML	MisL	3,185
352	0	56	0												2,950
353	0	50	0					Rosiclare; MisL <sup>25</sup>	S	P	2,765		AC		
354	0	6	0			38.6	0.20	McClosky; MisL	L	P	2,800	9	A		
355	0	0	0												
356	0	0	0			38.6	0.20	McClosky; MisL	L	P	2,598	8	MC	Dev	4,140

TABLE 1.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production		Number of Oil and/or Gas Wells <sup>c</sup>			
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>b</sup>	Millions Cu. Ft. <sup>c</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
357	Newton, Jasper	1944	20	300	300		0	0	1	1	0
358	Ste. Marie, Jasper	1941	430	477,000	50,000		0	0	20	0	0
359	Willow Hill, Jasper	1944	20	2,000	2,000		0	0	1	1	0
360	Belle Rive, Jefferson	1943	100	118,000	48,000		0	0	5	0	0
361	Boyd, Jefferson	1944	180	157,000	157,000		0	0	15	15	0
362			x	x	x		0	0	9	9	0
363			x	x	x		0	0	1	1	0
364									5	5	0
365	Coil West, Jefferson	1942	300	129,000	94,000		0	0	10	6	0
366			x	x	x		0	0	1	1	0
367			x	x	x		0	0	0	0	0
368			x	x	x		0	0			
369			x	x	x		0	0			
370									2	2	0
371	Cravat, Jefferson	1939	100	219,000	24,000		0	0	11	0	0
372	Divide, Jefferson	1943	320	180,000	155,000		0	0	11	8	0
373	Divide West, Jefferson	1944	240	67,000	67,000		0	0	11	11	0
374			x	x	x		0	0			
375			x	x	x		0	0	10	10	0
376									1	1	0
377	Elk Prairie, Jefferson	1938 <sup>34</sup>	10	700	0		0	0	1	0	0
378	Fitzgerald, Jefferson	1944	10	1,000	1,000		0	0	1	1	0
379	Ina, Jefferson	1938	20	16,000	500		0	0	2	0	0
380	King, Jefferson	1942	660	481,000	192,000		0	0	29	6	0
381			x	x	x		0	0	21	5	0
382			x	x	x		0	0			
383			x	x	x		0	0			
384			x	x	x		0	0	2	1	0
385									6	0	0
386	Marcoe, Jefferson	1938 <sup>35</sup>	20	12,500	0		0	0	2	0	0
387	Markham City, Jefferson	1942	600	738,000	162,000		0	0	19	2	2
388			x	x	x		0	0	0	0	0
389			x	x	x		0	0	19	2	2
390	Mt. Vernon, Jefferson	1943	160	69,000	49,000		0	0	7	2	0
391			x	x	x		0	0	3	0	0
392			x	x	x		0	0			
393			x	x	x		0	0	3	2	0
394									1	0	0
395	Nason, Jefferson	1943	20	4,000	4,000		0	0	1	0	0
396	Roaches, Jefferson	1938	160	453,000	25,000		0	0	11	0	1
397			x	x	x		0	0	0	0	0
398			x	x	x		0	0			
399									11	0	1
400	Roaches North, Jefferson	1944	300	149,000	149,000		0	0	29	29	0
401			x	x	x		0	0	27	2	0
402			x	x	x		0	0	2	2	0
403									0	0	0
404	Waltonville, Jefferson	1943	60	14,000	9,000		0	0	4	3	0
405	Woodlawn, Jefferson	1940	1,320	7,897,000	837,000		0	0	162	0	3
406			x	x	x		0	0	1	0	0
407			x	x	x		0	0	161	0	3
408									0	0	0
409	Dix, Jefferson, Marion	1938	1,510	4,050,000	509,000		0	0	84	0	0
410			x	x	x		0	0	83	0	0
411			x	x	x		0	0	1	0	0
412	Kell, Jefferson	1942 <sup>36</sup>	10	3,000	0		0	0	1	0	0
413	Markham City North, Jefferson, Wayne	1943	480	470,000	394,000		0	0	15	8	1
414			x	x	x		0	0	2	2	0
415			x	x	x		0	0	13	6	1
416	Beman, Lawrence	1942	20	3,000	1,000		0	0	1	0	0
417	Ruark, Lawrence	1941	20	3,000	1,000		0	0	2	1	0

<sup>34</sup> Abandoned 1940.<sup>35</sup> Abandoned 1941.<sup>36</sup> Abandoned 1944.

TABLE 1.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944		Reservoir Pressure, Lb. per Sq. In. <sup>6</sup>		Character of Oil <sup>b</sup>		Producing Formation						Deepest Zone Tested <sup>c</sup> to End of 1944		
	Oil <sup>4</sup>		Initial	Avg./End 1944	Secondary Recovery <sup>a</sup>	Gravity A.P.I. at 60°F. <sup>6</sup>	Sulphur, Per Cent	Name and Age <sup>j</sup>	Character <sup>k</sup>	Porosity, Per Cent <sup>i</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift													
357	0	1	0	z	z	z	z	McClosky; MisL	L	P	2,930	5	MC	MisL	3,022
358	0	16	0	z	z	40.2	0.14	McClosky; MisL	L	P	2,830	8	A	MisL	2,935
359	0	1	0	z	z	z	z	McClosky; MisL	L	P	2,665	5	MC	MisL	2,742
360	0	5	0	z	z	39.4	0.15	McClosky; MisL	L	P	3,085	7	AC	MisL	3,240
361	0	15	0											MisL	2,333
362	0	8	0	550±	z	z	z	Bethel; MisU	S	P	2,050	15	A		
363	0	1	0	615±	z	z	z	Aux Vases; MisU	S	P	2,130	20	A		
364	0	6	0												
365	0	9	0											MisL	3,022
366	0	2	0	z	z	z	z	Aux Vases; MisU	S	P	2,729	14	AL		
367	0	1	0	z	z	z	z	Levias; MisL	L	P	2,830	6	AC		
368	0	1	0	z	z	z	z	Rosiclare; MisL <sup>25</sup>	SL	P	2,870	6	AC		
369	0	2	0	z	z	z	z	McClosky; MisL	L	P	2,885	11	AC		
370	0	4	0												
371	0	10	0	z	z	35.4	0.23	Bethel; MisU	S	P	2,070	10	A	MisL	2,335
372	0	11	0	z	z	z	z	McClosky; MisL	L	P	2,725	10	AC	MisL	2,921
373	0	11	0											MisL	2,865
374	0	10	0	z	z	z	z	Levias; MisL <sup>25</sup>	L	P	2,690	7	AC		
375	0	10	0	z	z	z	z	McClosky; MisL	L	P	2,740	14	AC		
376	0	1	0												
377	0	0	0	z	z	z	z	McClosky; MisL	L	P	2,730	7	z	MisL	3,000
378	0	1	0	z	z	z	z	Bethel; MisU	S	P	2,760	14	z	MisL	3,012
379	0	1	0	z	z	36.4	0.20	St. Louis; MisL	L	P	3,000	5	AC	MisL	3,065
380	0	25	0											Dev	4,760
381	0	22	0	z	z	38.6	0.17	Aux Vases; MisU	S	P	2,730	20	AL		
382	0	1	0	z	z	z	z	Levias; MisL <sup>25</sup>	L	P	2,770	10	AC		
383	0	1	0	z	z	39.6	0.16	Rosiclare; MisL	SL	P	2,815	10	AC		
384	0	1	0	z	z	z	z	McClosky; MisL <sup>25</sup>	L	P	2,840	7	AC		
385	0	2	0												
386	0	0	0	z	z	23.2	0.54	McClosky; MisL	L	S	2,745	11	z	MisL	3,066
387	0	16	0											MisL	3,215
388	0	1	0	z	z	z	z	Levias; MisL	L	P	3,060	5	A		
389	0	15	0	z	z	38.2	0.08	McClosky; MisL	L	P	3,030	11	A		
390	0	6	0											MisL	3,008
391	0	2	0	z	z	z	z	Aux Vases; MisU	S	P	2,680	10	AL		
392	0	1	0	z	z	z	z	Levias; MisL <sup>25</sup>	L	P	2,755	5	AC		
393	0	3	0	z	z	z	z	McClosky; MisL	L	P	2,800	6	AC		
394	0	1	0												
395	0	1	0	z	z	z	z	Rosiclare; MisL	S	P	2,790	7	MC	MisL	2,805
396	0	8	0											Dev	3,840
397	0	5	0	z	z	37.0	0.22	Rosiclare; MisL	S	P	2,190	12	AC		
398	0	1	0	z	z	z	z	McClosky; MisL <sup>25</sup>	L	P	2,210	7	AC		
399	0	3	0												
400	0	29	0											MisL	2,255
401	0	27	0	z	z	z	z	Bethel; MisU	S	P	1,925	12	A		
402	0	1	0	z	z	z	z	Rosiclare; MisL	S	P	2,120	12	AC		
403	0	1	0												
404	0	3	0	z	z	37.8	0.14	Bethel; MisU	S	P	2,465	12	A	MisL	2,769
405	0	141	0											MisL	2,365
406	0	3	0	z	z	z	z	Cypress; MisU	S	P	1,800	10	AL		
407	0	136	0	z	z	37.8	0.16	Bethel; MisU	S	P	1,960	25	A		
408	0	1	0												
409	0	83	0											Dev	3,874
410	0	82	0	z	27.5	39.0	0.23	Bethel; MisU	S	P	1,950	13	A		
411	0	1	0	z	z	z	z	Rosiclare; MisL	S	P	2,100	8	A		
412	0	0	0	z	z	36.2	0.26	McClosky; MisL	L	P	2,625	6	A	MisL	2,720
413	0	14	0											MisL	3,166
414	0	2	0	z	z	z	z	Aux Vases; MisU	S	P	2,950	10	AL		
415	0	12	0	z	z	z	z	McClosky; MisL	L	P	3,100	10	AC		
416	0	1	0	z	z	z	z	McClosky; MisL	L	P	1,841	2	MC	MisL	1,845
417	0	2	0	z	z	32.0	z	Buchanan; Pen	S	P	1,510	14	ML	MisL	2,320

TABLE 1.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells/		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>b</sup>	Millions Cu. Ft. <sup>c</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
418	Russellville gas, Lawrence	1937	1,800	0	0	6,126	600	62	3	1	
419						x	x	18	2	1	
420						x	x	44	1	0	
421	St. Francisville East, Lawrence	1941	90	104,000	24,000	0	0	9	0	0	
422	Sumner, Lawrence	1944	20	2,000	2,030	0	0	1	1	0	
423	Carlinville North, Macoupin	1941	40	600	100	0	0	4	1	0	
424	Plainview, Macoupin	1942	10	800	0	0	0	1	0	0	
425	Marine, Madison	1943	960	497,000	479,000	0	0	28	24	0	
426	St. Jacob, Madison	1942	1,320	1,098,000	413,000	0	0	47	14	0	
427	Alma, Marion	1941	60	47,000	8,000	0	0	5	1	1	
428				x	x	0	0	3	1	1	
429				x	x	0	0	2	0	0	
430	Exchange, Marion	1943	80	19,000	12,000	0	0	2	0	0	
431	Patoka, Marion	1937	960	3,768,000	630,000	0	0	149	16	0	
432				x	x	0	0	144	15	0	
433				x	x	0	0	4	1	0	
434				x	x	0	0	1	0	0	
435	Patoka East, Marion	1941	430	2,174,000	361,000	0	0	59	0	0	
436				x	x	0	0	54	0	0	
437				x	x	0	0	5	0	0	
438	Salem, Marion	1938	9,600	185,438,000	8,197,000	0	0	2,454	10	12	
439				x	x	0	0	485	4	x	
440				x	x	0	0	152	0	x	
441				x	x	0	0	9	4	x	
442				x	x	0	0	551	0	x	
443				x	x	0	0	8	0	x	
444				33,812,000	740,000	0	0	541	0	x	
445				2,424,000	375,000	0	0	2	2	x	
446								706	0	x	
447	Tonti, Marion	1939	480	6,876,000	597,000	0	0	59	1	0	
448				x	x	0	0	5	0	0	
449				x	x	0	0	15	0	0	
450				x	x	0	0	31	0	0	
451				x	1,500,000	40,000	0	0	6	0	0
452								2	1	0	
453	Fairman, Marion, Clinton	1939	490	1,020,000	115,000	0	0	25	0	2	
454	Mt. Olive, Montgomery	1942	30	1,000	0	0	0	3	1	0	
455	Raymond, Montgomery	1940	80	4,000	1,000	0	0	6	2	0	
456	Waggoner, Montgomery	1940	40	6,000	1,000	0	0	4	0	0	
457	Tamaroa, Perry	1942	50	6,000	3,000	0	0	3	0	0	
458	Amity, Richland	1942	20	5,000	2,000	0	0	1	0	0	
459	Bonpas, Richland	1941	40	76,000	13,000	0	0	2	0	0	
460	Calhoun, Richland	1944	120	71,000	71,000	0	0	6	6	0	
461				x	x	0	0	4	4	0	
462				x	x	0	0	2	2	0	
463	Calhoun North, Richland	1944	20	2,000	2,000	0	0	1	1	0	
464				x	x	0	0				
465				x	x	0	0				
466								1	1	0	
467	Olney, Richland	1937	720	1,498,000	129,000	0	0	45	3	0	
468				x	x	0	0	1	0	0	
469				x	x	0	0	44	3	0	
470	Olney East, Richland	1944	20	8,000	8,000	0	0	1	1	0	
471	Schnell, Richland	1938	160	193,000	1,000	0	0	4	0	0	
472	Stringtown, Richland	1941	140	184,000	25,000	0	0	8	0	0	
473	Noble, Richland, Clay	1937	6,700	20,781,000	3,593,000	x	x	376	62	3	
474				x	x	0	0	136	7	0	
475				x	x	0	0	0	0	0	
476				x	x	0	0	240	55	3	
477								0	0	0	
478	Parkersburg Consolidated, Richland, Edwards	1941	970	3,330,000	447,000	0	0	48	0	0	
479				x	x	0	0	1	0	0	
480				x	x	0	0	1	0	0	
481				x	x	0	0	1	0	0	

TABLE I.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>b</sup>		Character of Oil <sup>c</sup>		Producing Formation						Deepest Zone Tested <sup>d</sup> to End of 1944		
	Oil <sup>4</sup>			Initial	Avg./End 1944	Secondary Recovery <sup>a</sup>	Gravity A.P.I. at 60°F <sup>e</sup>	Sulphur, Per Cent	Name and Age <sup>j</sup>	Character <sup>k</sup>	Porosity, Per Cent <sup>l</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
418	0		60												Dev	3,133
419	0		0 17	z	z				Bridgeport; Pen	S	P	760	15	A		
420	0		0 43	z	z				Buchanan; Pen	S	P	1,100	12	A		
421	0		8	0	z		39.8	0.21	Bethel; MisU	S	P	1,760	22	A	MisL	1,960
422	0		1	0	z		z	z	McClosky; MisL	L	P	2,261	4	MC	MisL	2,365
423	0		3	0	z		20.3	0.35	Pottsville; Pen	S	P	450	10	z	Pen	562
424	0		0	0	z		z	z	Pennsylvanian; Pen	S	P	400	20	z	Pen	421
425	0		28	600	z		z	z	Silurian; Sil	L	P	1,740	5	R <sup>41</sup>	Ord	2,590
426	0		44	0	z		40.0	0.23	"Trenton"; Ord	L	P	2,260	17	A	Ord	2,549
427	0		2	0											Dev	3,692
428	0		1	0	z		z	z	Bethel; MisU	S	P	1,931	8	A		
429	0		1	0	z		z	z	Rosiclare; MisL	S	P	2,084	10	A		
430	0		2	0	z		z	z	McClosky; MisL	L	P	2,735	8	MC	MisL	2,869
431	0		83	0		W									Dev	3,142
432	0		79	0	z		39.5	0.16	Bethel; MisU	S	P	1,410	25	D		
433	0		3	0	z		40.9	0.31	Rosiclare; MisL	S	P	1,560	15	D		
434	0		1	0	z		40.0	0.28	Devonian; Dev	L	P	2,835	8	D		
435	0		54	0												
436	0		47	0	z		36.1	0.23	Cypress; MisU	S	P	1,340	19	A	MisL	1,740
437	0		7	0	z		36.1	0.23	Bethel; MisU	S	P	1,465	10	A		
438	0		2,200	0		G									Prairie du Chien	5,655
439	0		381	0	z		38.5	0.20	Bethel; MisU	S	P	1,780	40	A		
440	0		82	0	z		38.6	0.21	Aux Vases; MisU	S	P	1,825	40	A		
441	0		11	0	z		39.0	z	Rosiclare; MisL	S	P	1,950	5	AL		
442	0		348	0	z		39.0	z	McClosky; MisL	OL	P	1,990	17	A		
443	0		8	0	z		39.0	z	Salem; MisL	L	P	2,160	17	A		
444	0		354	0	z		42.1	0.28	Devonian; Dev	L	Cav	3,430	50	A		
445	0		65	0	z		42.0	z	"Trenton"; Ord	L	Cav	4,500	50			
446	0		951	0												
447	0		58	0												
448	0		5	0	z		39.0	z	Bethel; MisU	S	P	1,930	20	D	Dev	3,742
449	0		15	0	z		39.0	z	Aux Vases; MisU	S	P	2,005	30	D		
450	0		30	0	z		39.4	0.21	McClosky; MisL	OL	P	2,130	15	D		
451	0		6	0	z		41.0	z	Devonian; Dev	L	Cav	3,500	7	D		
452	0		2	0												
453	0		17	0	z		38.2	0.21	Bethel; MisU	S	P	1,440	8	A	"Trenton"	4,100
454	0		0	0	z		33.2	0.16	Pottsville; Pen	S	P	600	4	A	Pen	743
455	0		5	0	z		34.8	0.22	Pottsville; Pen	S	P	580	15	ML	MisL	1,001
456	0		1	0	z		28.0	0.21	Pottsville; Pen	S	P	610	14	z	Dev	1,893
457	0		2	0	z		z	z	Cypress; MisU	S	P	1,125	10	AL	MisL	1,630
458	0		1	0	z		z	z	McClosky; MisL	OL	P	2,960	10	MC	MisL	3,090
459	0		2	0	z		37.8	0.23	McClosky; MisL	OL	P	3,120	4	MC	MisL	3,212
460	0		6	0											MisL	3,280
461	0		6	0	z		z	z	Levias; MisL	OL	P	3,140	9	A		
462	0		0	0	z		z	z	McClosky; MisL	OL	P	3,180	5	A		
463	0		1	0												
464	0				z		z	z	Rosiclare; MisL <sup>25</sup>	S	P	3,165	10	z	MisL	3,280
465	0				z		z	z	McClosky; MisL <sup>25</sup>	OL	P	3,184	11			
466	0		1	0												
467	0		32	0												
468	0		2	0	z		z	z	Levias; MisL	OL	P	3,060	8	A		
469	0		30	0	z		37.2	0.19	McClosky; MisL	OL	P	3,050	10	z		
470	0		1	0	z		z	z	McClosky; MisL	OL	P	3,080	9	A	MisL	3,094
471	0		4	0	z		37.0	0.19	McClosky; MisL	OL	P	3,000	6	AC	MisL	3,150
472	0		7	0	z		39.8	0.24	McClosky; MisL	OL	P	3,040	8	AC	MisL	3,080
473	0		331	2		W										
474	0		130	0	z		38.0	0.27	Cypress; MisU	S	P	2,550	25	A		
475	0		1	0	z		z	z	Levias; MisL	OL	P	2,957	2	AC		
476	0		195	2	z		39.0	0.17	McClosky; MisL	OL	P	2,960	6	AM		
477	0		5	0												
478	0		44	0											MisL	3,276
479	0		2	0	z		z	z	Cypress; MisU	S	P	2,830	12	A		
480	0		0	0	z		z	z	Bethel; MisU	S	P	2,930	10	A		
481	0		0	0	z		z	z	Levias; MisL	OL	P	3,070	10	AC		

<sup>41</sup> Reef structure.

TABLE I.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Total Production, Bbl. <sup>c</sup>			Millions Cu. Ft. <sup>c</sup>			1944		
			Area Proved, Acres <sup>b</sup>	To End of 1944	During 1944	Area Proved, Acres <sup>d</sup>	To End of 1944	During 1944	Completed to End of 1944	Completed	Abandoned
482			x	x	x		0	0	45	0	0
483									0	0	0
484	Parkersburg West, Richland, Edwards...	1943	90	36,000	24,000		0	0	3	1	0
485	Dundas Consolidated, Richland, Jasper...	1939	6,580	11,061,000	655,000		0	0	281	0	12
486			x	x	x		0	0	5	0	0
487			x	x	x		0	0	2	0	0
488			x	x	x		0	0	0	0	0
489			x	x	x		0	0	269	0	9
490									5	0	3
491	Dundas East, Richland, Jasper...	1942	360	571,000	141,000		0	0	16	2	0
492			x	x	x		0	0	0	0	0
493			x	x	x		0	0	17	2	0
494	Eldorado, Saline...	1941	40	7,000	2,000		0	0	2	0	0
495	Lakewood, Shelby...	1941	20	30,000	7,000		0	0	2	0	0
496			x	x	x		0	0	1	0	0
497			x	x	x		0	0	1	0	0
498	Stewardson, Shelby...	1939	70	50,000	10,000		0	0	5	0	0
499	Friendsville, Wabash...	1942	340	346,000	202,000		0	0	36	7	2
500			x	x	x		0	0	11	2	0
501			x	x	x		0	0	1	1	0
502			x	x	x		0	0	9	0	0
503			x	x	x		0	0	0	0	0
504			x	x	x		0	0	2	0	1
505			x	x	x		0	0	5	0	0
506			x	x	x		0	0	0	0	0
507			x	x	x		0	0	1	0	1
508									7	5	0
509	Keensburg Consolidated, Wabash...	1939	3,000	9,776,000	868,000		0	0	341	5	3
510			x	x	x		0	0	19	0	0
511			x	x	x		0	0	2	0	0
512			x	x	x		0	0	4	0	0
513			x	x	x		0	0	9	0	0
514			x	x	x		0	0	251	1	1
515			x	x	x		0	0	2	1	0
516			x	x	x		0	0	9	1	0
517			x	x	x		0	0	5	1	0
518			x	x	x		0	0	24	0	2
519									16	1	0
520	Keensburg East, Wabash...	1939 <sup>27</sup>	20	x	x		0	0	3	0	0
521	Keensburg South, Wabash...	1944	30	15,000	15,000		0	0	2	2	0
522			10	4,000	4,000		0	0	1	1	0
523			20	11,000	11,000		0	0	1	1	0
524	Lancaster East, Wabash...	1944	10	x	x		0	0	1	1	0
525	Maud, Wabash...	1940	250	366,000	30,000		0	0	20	0	2
526			x	x	x		0	0	2	0	0
527			x	x	x		0	0	1	0	0
528			x	x	x		0	0	1	0	0
529			x	x	x		0	0	1	0	2
530			x	x	x		0	0	15	0	0
531									1	0	0
532	Mt. Carmel, Wabash...	1940	3,600	4,940,000	1,330,000		x	x	333	47	8
533			x	x	x		0	0	46	6	2
534			x	x	x		0	0			
535			x	x	x		0	0	1	0	0
536			x	x	x		0	0	4	3	0
537			x	x	x		x	x	207	25	5
538			x	x	x		0	0	2	0	0
539			x	x	x		0	0	1	1	0
540			x	x	x		0	0	2	0	0
541			x	x	x		0	0	37	5	1
542									33	7	0
543	Mt. Carmel West, Wabash...	1939	60	13,000	4,000		0	0	4	0	0
544			x	x	x		0	0	2	0	0
545			x	x	x		0	0	2	0	0

<sup>27</sup> Abandoned 1943.

TABLE 1.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>b</sup>		Character of Oil <sup>c</sup>		Producing Formation						Deepest Zone Tested <sup>d</sup> to End of 1944	
	Oil <sup>u</sup>			Initial	Avg./End 1944	Gravity A.P.I. at 60°F. <sup>e</sup>	Sulphur, Per Cent	Name and Age <sup>f</sup>	Character <sup>g</sup>	Porosity, Per Cent <sup>h</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas												
482	0	36	0	z	z	38.0	0.31	McClosky; MisL	OL	P	3,135	9	A		
483	0	6	0												
484	0	3	0	z	z	z	z	McClosky; MisL	OL	P	3,250	5	AC	MisL Dev	3,331 4,585
485	0	267	0												
486	0	5	0	z	z	37.0	z	Cypress; MisU	S	P	2,520	12	AL		
487	0	1	0	z	z	38.0	z	Aux Vases; MisU	S	P	2,795	9	A		
488	0	1	0	z	z	z	z	Rosiclare; MisU	SL	P	2,845	6	AL		
489	0	243	0	z	z	38.4	0.17	McClosky; MisL	OL	P	2,974	7	A		
490	0	16	0												
491	0	15	0												
492	0	1	0	z	z	z	z	Levias; MisL	OL	P	z	z	A	MisL	3,105
493	0	14	0	z	z	z	z	McClosky; MisL	OL	P	3,000	8	A		
494	0	1	0	z	z	34.2	0.14	Aux Vases; MisU	S	P	3,813	23	A	MisL	3,000
495	0	2	0											MisL	1,875
496	0	1	0	z	z	29.6	z	Bethel; MisU	S	P	1,692	9	z		
497	0	1	0	z	z	31.7	0.23	Aux Vases; MisU	S	P	1,723	9	z		
498	0	5	0	z	z	37.8	0.18	Aux Vases; MisU	S	P	1,940	8	A	MisL	2,138
499	0	32	0											MisL	2,798
500	0	10	0	z	z	31.0	0.22	Biehl; Pen	S	P	1,760	15	A		
501	0	1	0	z	z	27.3	0.25	Palestine; MisU	S	P	1,785	13	A		
502	0	7	0	z	z	35.2	0.17	Cypress; MisU	S	P	2,300	12	A		
503	0	1	0	z	z	z	z	Paint Creek; MisU	S	P	2,465	15	A		
504	0	1	0	z	z	36.7	0.18	Bethel; MisU	S	P	2,470	10	A		
505	0	4	0	z	z	z	z	Levias; MisL	OL	P	2,633	6	AC		
506	0	1	0	z	z	z	z	Rosiclare; MisL	SL	P	z	5	AC		
507	0	0	0	z	z	z	z	McClosky; MisL	OL	P	2,645	5	AC		
508	0	0	0												
509	0	267	0												
510	0	17	0	z	z	38.0	z	Biehl; Pen	S	P	1,720	10	AL	MisL	3,065
511	0	2	0	z	z	z	z	Clore; MisU	S	P	1,830	10	AL		
512	0	4	0	z	z	z	z	Palestine; MisU	S	P	1,900	13	AL		
513	0	9	0	z	z	z	z	Tar Springs; MisU	S	P	2,100	15	AL		
514	0	172	0	z	z	38.6	0.29	Cypress; MisU	S	P	2,250	18	A		
515	0	2	0	z	z	z	z	Paint Creek; MisU	S	P	2,550	12	AL		
516	0	9	0	z	z	36.6	z	Bethel; MisU	S	P	2,575	18	AL		
517	0	5	0	z	z	z	z	Aux Vases; MisU	S	P	2,760	15	AL		
518	0	21	0	z	z	37.9	0.38	McClosky; MisL	OL	P	2,800	7	AC		
519	0	26	0												
520	0	0	0	z	z	37.6	0.26	McClosky; MisL	OL	P	2,710	6	MC	MisL	2,741
521	0	2	0											MisL	2,882
522	0	1	0	300±	z	z	z	Pennsylvanian; Pen	S	P	1,140	15	AL		
523	0	1	0	z	z	z	z	McClosky; MisL	OL	P	2,714	10	AC		
524	0	1	0	z	z	z	z	Biehl; Pen	S	P	1,750	10	ML	MisU	2,630
525	0	15	0											MisL	2,793
526	0	2	0	z	z	37.7	z	Waltersburg; MisU	S	P	1,935	17	AL		
527	0	1	0	z	z	z	z	Hardinsburg; MisU	S	P	2,115	22	AL		
528	0	1	0	z	z	z	z	Bethel; MisU	S	P	2,464	8	AL		
529	0	0	0	z	z	38.0	0.30	Rosiclare; MisL	SL	P	2,640	9	AC		
530	0	9	0	z	60±	38.0	0.30	McClosky; MisL	OL	P	2,650	8	A		
531	0	2	0												
532	1	285	1											MisL	2,475
533	0	41	0	z	z	32.0	z	Biehl; Pen	S	P	1,470	25	AL		
534	0	1	0	z	z	z	z	Jordan; Pen <sup>26</sup>	S	P	1,520	15	AL		
535	0	1	0	z	z	z	z	Palestine; MisU	S	P	1,540	10	AL		
536	0	4	0	z	z	z	z	Tar Springs; MisU	S	P	1,790	15	AL		
537	0	166	1	z	z	38.4	z	Cypress; MisU	S	P	2,020	15	AL		
538	0	2	0	z	z	z	z	Bethel; MisU	S	P	2,110	15	AL		
539	0	1	0	z	z	z	z	Levias; MisL	OL	P	2,320	5	AC		
540	0	2	0	z	z	36.6	0.36	Rosiclare; MisL	S	P	2,350	5	AC		
541	1	34	0	z	z	38.4	0.42	McClosky; MisL	OL	P	2,360	5	AC		
542	0	34	0												
543	0	3	0												
544	0	2	0	z	z	z	z	Waltersburg; MisU	S	P	1,878	11	ML	MisL	3,500
545	0	1	0	z	z	30.0	0.25	Tar Springs; MisU	S	P	1,930	6	ML		

TABLE I.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production		Gas Production		Number of Oil and/or Gas Wells <sup>b</sup>				
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>b</sup>	Millions Cu. Ft. <sup>c</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
546	Patton, Wabash.....	1940	40	13,000	8,000	0	0	8	0	0	
547			x	x	x	0	0	7	0	0	
548			x	x	x	0	0	1	0	0	
549	Patton West, Wabash.....	1943	400	92,000	75,000	0	0	28	24	0	
550			x	x	x	0	0	2	2	0	
551			x	x	x	0	0	13	13	0	
552			x	x	x	0	0	0	0	0	
553			x	x	x	0	0	3	3	0	
554			x	x	x	0	0				
555			x	x	x	0	0	2	0	0	
556			x	x	x	0	0	2	0	0	
557			x	x	x	0	0	2	0	0	
558	Lancaster, Wabash, Lawrence.....	1940	1,200	936,000	391,000	0	0	70	36	2	
559			x	x	x	0	0	4	4	0	
560			x	x	x	0	0	35	30	1	
561			x	x	x	0	0	1	1	0	
562			x	x	x	0	0	29	0	1	
563								1			
564	Cordes, Washington.....	1939	1,500	2,888,000	344,000	0	0	141	3	0	
565	Dubois, Washington.....	1939	140	120,000	16,000	0	0	10	0	2	
566	Dubois West, Washington.....	1942	10	6,000	2,000	0	0	1	0	0	
567	Irvington, Washington.....	1940	800	3,291,000	437,000	0	0	86	1	0	
568			x	x	x	0	0	2	0	0	
569			x	x	x	0	0	76	1	0	
570			x	x	x	0	0				
571			x	x	76,000	0	0	7	0	0	
572								1	0	0	
573	McKinley, Washington.....	1940	80	180,000	13,000	0	0	7	0	0	
574			50	x	x	0	0	6	0	0	
575			x	x	x	0	0	1	0	0	
576	Barnhill, Wayne.....	1939	800	1,782,000	97,000	0	0	65	0	7	
577			x	x	x	0	0	1	0	1	
578			x	x	x	0	0	0	0	0	
579			x	x	x	0	0	61	0	6	
580			x	x	x	0	0	1	0	0	
581								2	0	0	
582	Boyleston Consolidated, Wayne.....	1938	4,300	6,571,000	1,015,000	0	0	177	14	5	
583			x	x	x	0	0	2	0	0	
584			x	x	x	0	0	10	0	0	
585			x	x	x	0	0	1	0	0	
586			x	x	x	0	0	154	10	4	
587								10	4	1	
588	Cisne, Wayne.....	1937	940	2,912,000	120,000	0	0	49	1	0	
589			x	x	x	0	0	2	0	0	
590			x	x	x	0	0	1	0	0	
591			x	x	x	0	0	46	1	0	
592								0	0	0	
593	Cisne North, Wayne.....	1942	20	9,000	2,000	0	0	2	0	0	
594	Coil, Wayne.....	1942	440	777,000	186,000	0	0	18	2	0	
595			x	x	x	0	0	16	2	0	
596			x	x	x	0	0	2	0	0	
597	Covington South, Wayne.....	1943	360	86,000	34,000	0	0	8		1	
598	Fairfield, Wayne.....	1942	40	10,000	4,000	0	0	2	1	1	
599	Geff, Wayne.....	1941	500	650,000	237,000	0	0	27	8	0	
600			x	x	x	0	0	19	7	0	
601			x	x	x	0	0	1	1	0	
602			x	x	x	0	0	7	0	0	
603	Geff West, Wayne.....	1942	60	47,000	15,000	0	0	3	0	0	
604	Goldengate Consolidated, Wayne.....	1939	1,200	846,000	548,000	0	0	36	14	1	
605			x	x	x	0	0	5	0	0	
606			x	x	x	0	0	2	1	0	
607			x	x	x	0	0	2	0	0	
608			x	x	x	0	0	14	3	1	
609								13	10	0	

TABLE I.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>b</sup>		Character of Oil <sup>c</sup>		Producing Formation							Deepest Zone Tested <sup>d</sup> to End of 1944	
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1944	Secondary Recovery <sup>a</sup>	Gravity A.P.I. at 60°F. <sup>e</sup>	Sulphur, Per Cent	Name and Age <sup>f</sup>	Character <sup>g</sup>	Porosity, Per Cent <sup>h</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
546	0	6	0						Biehl; Pen	S	P	1,470	15	AL	MisL	2,315
547	0	5	0	z	z		z	z	McClosky; MisL	OL	P	2,310	4	MC		
548	0	1	0	z	z		z	z							MisL	2,571
549	0	28	0													
550	0	2	0	z	z		z	z	Biehl; MisU	S	P	1,542	22	AL		
551	0	13	0	z	z		z	z	Cypress; MisU	S	P	2,029	12	AL		
552	0	1	0	z	z		z	z	Bethel; MisU	S	P	2,139	20	AL		
553	0	3	0	z	z		z	z	Aux Vases; MisU	S	P	2,283	4	AL		
554	0			z	z		z	z	Levias; MisL	OL	P	2,308	4	AC		
555	0	2	0	z	z		z	z	Rosiclar; MisL	SL	P	2,308	4	AC		
556	0	6	0	z	z		z	z	McClosky; MisL	OL	P	2,346	6	AC		
557	0	1	0													
558	0	54	0												MisL	2,908
559	0	4	0	z	z		39	z	Paint Creek; MisU	S	P	2,320	22	AL		
560	0	34	0	z	z		z	z	Bethel; MisU	S	P	2,530	12	AL		
561	0	1	0	z	z		z	z	Levias; MisL	OL	P	2,672	11	AC		
562	0	14	0	z	z		39.8	0.28	McClosky; MisL	OL	P	2,690	5	A		
563	0	1	0													
564	0	139	0	z	z		37.4	0.19	Bethel; MisU	S	P	1,260	14	A	MisL	1,560
565	0	8	0	z	z		38.0	0.26	Bethel; MisU	S	P	1,355	8	A	Dev	3,535
566	0	1	0	z	z		z	z	Bethel; MisU	S	P	1,345	6	z	MisL	1,685
567	0	82	0												Dev	3,362
568	0	1	0	z	z		z	z	Cypress; MisU	S	P	1,380	15	A		
569	0	71	0	z	z		37.6	0.16	Bethel; MisU	S	P	1,535	10	A		
570	0			z	z		z	z	Aux Vases; MisU <sup>25</sup>	S	P	1,605	z	A		
571	0	7	0	z	z		39.0	0.27	Devonian; Dev	L	Cav	3,030	5	A		
572	0	3	0													
573	0	4	0													
574	0	4	0	z	z		44.1	0.18	Bethel; MisU	S	P	1,000	7	A	Dev	2,565
575	0	0	0	z	z		41.7	z	Devonian; Dev	L	Cav	2,250	10	A		
576	0	36	0												MisL	3,855
577	0	8	0	z	z		z	z	Aux Vases; MisU	S	P	3,225	15	AL		
578	0	1	0	z	z		z	z	Rosiclar; MisL	OL	P	3,350	9	AC		
579	0	27	0	z	z		37.6	0.17	McClosky; MisL	OL	P	3,400	12	A		
580	0	0	0	z	z		z	z	Salem; MisL	L	P	3,795	8	AC		
581	0	0	0													
582	0	165	0												MisL	3,495
583	0	5	0	z	z		39.6	z	Aux Vases; MisU	S	P	3,095	7	AL		
584	0	10	0	z	z		z	z	Levias; MisL	OL	P	3,180	4	AC		
585	0	1	0	z	z		40.2	0.14	Rosiclar; MisL	OL	P	3,215	6	AC		
586	0	140	0	z	z		40.2	0.14	McClosky; MisL	OL	P	3,240	7	AC		
587	0	9	0													
588	0	42	0													
589	0	2	0	z	z		38.5	z	Aux Vases; MisU	S	P	3,002	8	AL	St. Peter	7,205
590	0	2	0	z	z		z	z	Rosiclar; MisL	SL	P	3,086	9	AC		
591	0	23	0	z	z		35.8	0.24	McClosky; MisL	OL	P	3,117	11	A		
592	0	15	0													
593	0	2	0	z	z		39.0	z	McClosky; MisL	OL	P	3,170	10	ML	MisL	3,245
594	0	16	0												MisL	3,185
595	0	14	0	z	z		37.1	0.20	Aux Vases; MisU	S	P	2,900	22	A		
596	0	2	0	z	z		37.5	z	McClosky; MisL	OL	P	2,970	3	AC		
597	0	7	0	z	z		39.4	0.18	McClosky; MisL	OL	P	3,310	8	AC	MisL	3,389
598	0	1	0	z	z		z	z	Aux Vases; MisU	S	P	3,235	14	AL	MisL	3,410
599	0	27	0												MisL	3,390
600	0	19	0	z	z		40.4	0.13	Aux Vases; MisU	S	P	3,065	14	AL		
601	0	1	0	z	z		z	z	Rosiclar; MisL	OL	P	3,089	4	AC		
602	0	7	0	z	z		34.0	0.33	McClosky; MisL	OL	P	3,135	3	AC		
603	0	3	0	z	z		z	z	Aux Vases; MisU	S	P	3,130	20	AL	MisL	3,320
604	0	30	0												Dev	5,645
605	0	1	0	z	z		z	z	Aux Vases; MisU	S	P	3,180	15	AL		
606	0	0	0	z	z		z	z	Levias; MisL	OL	P	3,252	6	AC		
607	0	0	0	z	z		z	z	Rosiclar; MisL	SL	P	3,275	5	AC		
608	0	16	0	z	z		34.4	0.18	McClosky; MisL	OL	P	3,308	9	AC		
609	0	13	0													

TABLE I.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells <sup>c</sup>		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>b</sup>	Millions Cu. Ft. <sup>c</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
610	Johnsonville, Wayne.....	1941	4,200	14,293,000	1,425,000		0	0	249	2	1
611			x	x	x		0	0	35	2	0
612			x	x	x		0	0	0	0	0
613			x	x	x		0	0	207	0	1
614									7	0	0
615	Johnsonville North, Wayne.....	1943	40	18,000	13,000		0	0	1	0	0
616			x	x	x		0	0			
617			x	x	x		0	0			
618											
619	Johnsonville South, Wayne.....	1942	20	13,000	2,000		0	0	2	0	0
620			x	x	x		0	0	1	0	0
621			x	x	x		0	0	1	0	0
622	Johnsonville West, Wayne.....	1942 <sup>38</sup>	40	3,000	2,000		0	0	2	0	0
623			x	x	x		0	0	1	0	0
624			x	x	x		0	0	1	0	0
625	Leech Township, Wayne.....	1938	240	439,000	38,000		0	0	14	0	0
626	Mayberry, Wayne.....	1941	330	195,000	34,000		0	0	6	0	0
627	Mt. Erie North, Wayne.....	1944	60	16,000	16,000		0	0	4	4	0
628			x	x	x		0	0	1	1	0
629			x	x	x		0	0	3	3	0
630	Mt. Erie South, Wayne.....	1939 <sup>39</sup>	360	119,000	69,000		0	0	10	1	0
631			x	x	x		0	0	4	0	0
632			x	x	x		0	0	2	0	0
633			x	x	x		0	0	2	1	0
634			x	x	x		0	0	2	0	0
635									0	0	0
636	Rinard, Wayne.....	1937 <sup>40</sup>	20	15,000	0		0	0	2	0	0
637			x	x	x		0	0	1	0	0
638			x	x	x		0	0	1	0	0
639	Sims, Wayne.....	1941	1,740	3,103,000	490,000		0	0	61	1	0
640			x	x	x		0	0	13	1	0
641			x	x	x		0	0	30	0	0
642									18	0	0
643	Sims North, Wayne.....	1942	1,040	1,068,000	469,000		0	0	37	8	1
644			x	x	x		0	0	24	3	0
645			x	x	x		0	0	0	0	0
646			x	x	x		0	0	3	0	0
647			x	x	x		0	0	9	5	1
648									2	0	0
649	Aden Consolidated, Wayne, Hamilton...	1938	2,200	4,421,000	537,000		0	0	89	2	0
650			x	x	x		0	0	4	2	0
651			x	x	x		0	0			
652			x	x	x		0	0			
653			x	x	x		0	0	75	0	0
654									10	0	0
655	Burnt Prairie, White.....	1940	600	566,000	187,000		0	0	33	13	0
656			x	x	x		0	0	6	6	0
657			x	x	x		0	0	0	0	0
658			x	x	x		0	0	2	0	0
659			x	x	x		0	0	25	7	0
660									0	0	0
661	Calvin North, White.....	1943	600	478,000	350,000		0	0	42	18	0
662			x	x	x		0	0	1	1	0
663			x	x	x		0	0	23	10	0
664			x	x	x		0	0	0	0	0
665			x	x	x		0	0	1	0	0
666			x	x	x		0	0	9	5	0
667			x	x	x		0	0	2	1	0
668			x	x	x		0	0	4	0	0
669			x	x	x		0	0	1	1	0
670									1	0	0

<sup>38</sup> Abandoned 1942, revived 1943.<sup>39</sup> Abandoned 1941, revived 1942.<sup>40</sup> Abandoned 1941.

TABLE 1.—(Continued)

Line Number	Wells Producing? Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>a</sup>		Character of Oil <sup>b</sup>		Producing Formation						Deepest Zone Tested <sup>c</sup> to End of 1944		
	Flowing	Artificial Lift	Gas	Initial	Avg./End 1944	Secondary Recovery <sup>a</sup>	Gravity A.P.L. at 60°F <sup>c</sup>	Sulphur, Per Cent	Name and Age <sup>d</sup>	Character	Porosity, Per Cent <sup>e</sup>	Depth to Top of Producing Zone, Ft. <sup>m</sup>	Productive Thickness, Avg. Ft., <sup>n</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
610	0	245	0												Dev	5,198
611	0	38	0	z	z		39.4	0.14	Aux Vases; MisU	S	P	3,000	20	AL		
612	0	2	0	z	z		z	z	Levias; MisL	OL	P	3,132	10	AC		
613	0	169	0	z	z		39.4	0.16	McClosky; MisL	OL	P	3,159	15	A		
614	0	45	0													
615	0	1	0													
616	0			z	z		z	z	Levias; MisL <sup>26</sup>	OL	P	3,192	5	AC	MisL	3,320
617	0			z	z		z	z	McClosky; MisL <sup>25</sup>	OL	P	3,254	3	AC		
618	0	1	0													
619	0	2	0													
620	0	1	0	z	z		39.0	z	Aux Vases; MisU	S	P	3,087	20	z	MisL	3,266
621	0	1	0	z	z		z	z	McClosky; MisL	OL	P	3,180	3	z		
622	0	1	0													
623	0	1	0	z	z		z	z	Aux Vases; MisU	S	P	2,970	13	ML		
624	0	0	0	z	z		z	z	McClosky; MisL	OL	P	3,107	2	MC		
625	0	10	0	z	z		39.0	0.19	McClosky; MisL	OL	P	3,430	6	AC	MisL	3,485
626	0	5	0	z	z		38.0	0.16	McClosky; MisL	OL	P	3,340	13	AC	Dev	5,377
627	0	4	0												MisL	3,354
628	0	1	0	z	z		z	z	Aux Vases; MisU	S	P	3,100	19	ML		
629	0	3	0	z	z		z	z	McClosky; MisL	OL	P	3,236	4	MC		
630	0	7	0												MisL	3,280
631	0	2	0	z	z		37.2	0.14	Aux Vases; MisU	S	P	3,070	15	AL		
632	0	2	0	z	z		z	z	Levias; MisL	OL	P	3,120	8	AC		
633	0	1	0	z	z		z	z	Rosiclare; MisL	OL	P	3,155	10	AC		
634	0	0	0	z	z		31.7	z	McClosky; MisL	OL	P	3,165	10	AC		
635	0	2	0													
636	0	0	0													
637	0	0	0	z	z		z	z	Aux Vases; MisU	S	P	2,955	15	AL	MisL	3,154
638	0	0	0	z	z		38.5	z	McClosky; MisL	OL	P	3,145	5	AC		
639	0	59	0													
640	0	17	0	z	z		40.4	0.20	Aux Vases; MisU	S	P	3,013	15	AL	MisL	3,487
641	0	29	0	z	z		39.1	z	McClosky; MisL	OL	P	3,150	8	AC		
642	0	13	0													
643	0	36	0													
644	0	18	0	z	z		z	z	Aux Vases; MisU	S	P	3,040	10	AL	MisL	3,276
645	0	1	0	z	z		z	z	Levias; MisL	OL	P	3,110	8	AC		
646	0	3	0	z	z		z	z	Rosiclare; MisL	OL	P	3,150	8	AC		
647	0	6	0	z	z		37.5	0.19	McClosky; MisL	OL	P	3,185	5	AC		
648	0	8	0													
649	0	83	0													
650	0	14	0	z	z		z	z	Aux Vases; MisU	S	P	3,175	15	AL	Dev	5,395
651	0			z	z		z	z	Levias; MisL	OL	P	3,265	6	AC		
652	0			z	z		z	z	Rosiclare; MisL	OL	P	3,300	8	AC		
653	0	52	0	z	z		40.0	z	McClosky; MisL	OL	P	3,350	8	A		
654	0	17	0													
655	0	31	0													
656	0	8	0	z	z		z	z	Aux Vases; MisU	S	P	3,260	18	AL	MisL	3,532
657	0	2	0	z	z		39.0	z	Levias; MisL	OL	P	z	5	AC		
658	0	0	0	z	z		z	z	Rosiclare; MisL	OL	P	3,339	7	AC		
659	0	19	0	z	z		37.0	0.28	McClosky; MisL	OL	P	3,400	10	AC		
660	0	2	0													
661	0	41	0													
662	0	6	0	z	z		z	z	Buchanan; Pen	S	P	1,088	26	Alf	MisL	3,280
663	0	15	0	z	z		30.0	0.29	Biehl; Pen	S	P	1,520	10	Alf		
664	0	1	0	z	z		z	z	Palestine; MisU	S	P	2,140	18	Alf		
665	0	6	0	z	z		z	z	Waltersburg; MisU	S	P	2,260	10	Alf		
666	0	5	0	z	z		34.0	0.30	Tar Springs; MisU	S	P	2,320	12	Alf		
667	0	2	0	z	z		38.4	0.19	Bethel; MisU	S	P	2,815	11	Alf		
668	0	4	0	z	z		z	z	Aux Vases; MisU	S	P	2,880	18	AL		
669	0	1	0	z	z		z	z	McClosky; MisU	OL	P	2,996	16	AC		
670	0	1	0													

TABLE I.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production		Number of Oil and/or Gas Wells <sup>b</sup>			
			Area Proved, Acres <sup>c</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
671	Carmi, White.....	1940	30	6,000	500		0	0	2	0	0
672			x	x	x		0	0	1	0	0
673			x	x	x		0	0	1	0	0
674	Carmi North, White.....	1942	50	66,000	21,000		0	0	3	0	0
675			x	x	x		0	0			
676			x	x	x		0	0	3	0	0
677									0	0	0
678	Centerville, White.....	1940	60	218,000	31,000		0	0	5	0	0
679	Centerville East, White.....	1941	700	1,270,000	296,000		0	0	44	4	2
680			x	x	x		0	0	24	1	0
681			x	x	x		0	0	3	2	0
682			x	x	x		0	0	1	0	0
683			x	x	x		0	0	5	1	0
684			x	x	x		0	0			
685			x	x	x		0	0	10	0	2
686									1	0	0
687	Concord, White.....	1942	700	602,000	574,000		0	0	46	39	0
688			x	x	x		0	0	15	12	0
689			x	x	x		0	0	9	9	0
690			x	x	x		0	0	8	5	0
691			x	x	x		0	0	1	0	0
692			x	x	x		0	0	10	10	0
693									3	3	0
694	Concord South, White.....	1944	20	x	x		0	0	2	2	0
695	Epworth, White.....	1941	110	198,000	43,000		0	0	11	0	0
696			x	x	x		0	0	2	0	0
697			x	x	x		0	0	7	0	0
698			x	x	x		0	0	1	0	0
699			x	x	x		0	0	1	0	0
700	Gossett, White.....	1943	40	500	200		0	0	1	0	0
701	Grayville West, White.....	1941	20	40,000	8,000		0	0	3	0	0
702			x	x	x		0	0	1	0	0
703			x	x	x		0	0	2	0	0
704	Herald, White.....	1940	400	208,000	116,000		0	0	24	10	0
705			x	x	x		0	0	4	0	0
706			x	x	x		0	0	2	2	0
707			x	x	x		0	0	4	0	0
708			x	x	x		0	0	5	2	0
709			x	x	x		0	0	2	0	0
710			x	x	x		0	0	7	6	0
711									0	0	0
712	Iron, White.....	1940	1,060	2,941,000	240,000		0	0	69	5	2
713			x	x	x		0	0	0	0	0
714			x	x	x		0	0	5	0	0
715			x	x	x		0	0	38	5	0
716			x	x	x		0	0	2	0	0
717			x	x	x		0	0	1	0	0
718			x	x	x		0	0	20	0	2
719									3	0	0
720	Maunie, White.....	1941	60	29,000	9,000		0	0	3	0	0
721			x	x	x		0	0	2	0	0
722			x	x	x		0	0	1	0	0
723	Maunie North, White.....	1941	240	122,000	64,000		0	0	13	5	0
724			x	x	x		0	0			
725			x	x	x		0	0	0	0	0
726			x	x	x		0	0	5	3	0
727			x	x	x		0	0	1	1	0
728			x	x	x		0	0	0	0	0
729			x	x	x		0	0	5	0	0
730									2	1	0
731	Maunie South, White.....	1941	1,000	1,625,000	260,000		0	0	78	4	0
732			x	x	x		0	0	5	0	0
733			x	x	x		0	0	3	3	0
734			x	x	x		0	0	34	0	0
735			x	x	x		0	0	1	0	0
736			x	x	x		0	0	20	1	0

TABLE 1.—(Continued)

Line Number	Wells Producing <sup>2</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>3</sup>		Character of Oil <sup>1</sup>		Producing Formation						Deepest Zone Tested <sup>4</sup> to End of 1944		
	Oil <sup>4a</sup>		Gas	Initial	Avg./End 1944	Secondary Recovery <sup>4</sup>	Gravity A.P.I. at 60°F. <sup>5</sup>	Sulphur, Per Cent	Name and Age <sup>1</sup>	Character	Porosity, Per Cent <sup>1</sup>	Depth to Top of Producing Zone, Ft. <sup>6</sup>	Productive Thickness, Avg. Ft., <sup>7</sup> Net	Structure <sup>8</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift														
671	0	1	0						Levias; MisL	OL	P	3,130	8	MCf	MisL	3,282
672	0	0	0	x	x		x	x	McClosky; MisL	OL	P	3,150	4	MCf		
673	0	1	0	x	x		x	x							MisL	3,418
674	0	3	0													
675				x	x		x	x	Cypress; MisU <sup>2b</sup>	S	P	2,935	10	AF		
676	0	2	0	x	x		37.0	0.14	Aux Vases; MisU <sup>2b</sup>	S	P	3,230	15	AF		
677	0	1	0													
678	0	5	0	x	x		36.8	0.17	McClosky; MisL	OL	P	3,360	5	AC	MisL	3,600
679	0	41	0												MisL	3,365
680	0	22	0	x	x		37.2	0.20	Tar Springs; MisU	S	P	2,500	30	ALf		
681	0	3	0	x	x		x	x	Cypress; MisU	S	P	2,915	10	AL		
682	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,960	18	AL		
683	0	5	0	x	x		x	x	Aux Vases; MisU	S	P	3,080	11	AL		
684				x	x		x	x	Levias; MisL <sup>2a</sup>	OL	P	3,175	4	AC		
685	0	8	0	x	x		40.0	x	McClosky; MisL <sup>2b</sup>	OL	P	3,250	5	AC		
686	0	2	0													
687	1	44	0												MisL	3,115
688	0	15	0	x	x		37.0	x	Tar Springs; MisU	S	P	2,270	15	AL		
689	0	6	0	x	x		x	x	Cypress; MisU	S	P	2,623	10	AL		
690	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	2,905	15	AL		
691	0	1	0	x	x		x	x	Levias; MisL	OL	P	2,930	8	AC		
692	1	9	0	x	x		x	x	McClosky; MisL <sup>2b</sup>	OL	P	2,989	10	AC		
693	0	5	0													
694	0	2	0	x	x		x	x	Tar Springs; MisU	S	P	2,300	20	MF	MisL	3,096
695	0	10	0												MisL	3,195
696	0	2	0	x	x		x	x	Degonia; MisU	S	P	2,090	6	A		
697	0	6	0	x	x		36.2	x	Clore; MisU	S	P	2,070	15	A		
698	0	1	0	x	x		x	x	Palestine; MisU	S	P	2,100	15	A		
699	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,825	16	x		
700	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,080	3	MF	MisL	3,090
701	0	2	0												MisL	3,275
702	0	1	0	x	x		37.0	x	Cypress; MisU	S	P	2,870	16	MF		
703	0	1	0	x	x		x	x	McClosky; MisL	OL	P	3,180	10	MF		
704	0	21	0												MisL	3,394
705	0	4	0	x	x		28.0	x	Pennsylvanian; Pen	S	P	1,500	15	A		
706	0	1	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,750	18	MF		
707	0	3	0	x	x		37.2	0.24	Tar Springs; MisU	S	P	2,260	15	AL		
708	0	2	0	x	x		x	x	Cypress; MisU	S	P	2,660	10	AL		
709	0	2	0	x	x		x	x	Bethel; MisU	S	P	2,790	10	AL		
710	0	7	0	x	x		x	x	Aux Vases; MisU <sup>2b</sup>	S	P	2,920	13	AL		
711	0	2	0													
712	0	60	0												MisL	3,246
713	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,270	8	AL		
714	0	4	0	x	x		36.4	x	Tar Springs; MisU	S	P	2,385	12	ALf		
715	0	31	0	x	x		38.4	0.30	Hardinsburg; MisU	S	P	2,500	18	AF		
716	0	2	0	x	x		38.0	x	Cypress; MisU	S	P	2,720	20	AL		
717	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,850	15	AL		
718	0	17	0	x	x		39.0	0.20	McClosky; MisL <sup>2b</sup>	OL	P	3,060	15	ACf		
719	0	4	0													
720	0	2	0													
721	0	1	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,310	10	AL	MisL	3,050
722	0	0	0	x	x		38.0	x	Palestine; MisU	S	P	2,010	6	AL		
723	0	13	0												MisL	3,120
724				x	x		x	x	Cypress; MisU <sup>2a</sup>	S	P	2,660	12	AL		
725	0	1	0	x	x		x	x	Paint Creek; MisU	S	P	2,775	11	AL		
726	0	4	0	x	x		36.5	x	Bethel; MisU	S	P	2,825	15	AL		
727	0	1	0	x	x		x	x	Aux Vases; MisU	S	P	2,940	18	AL		
728	0	1	0	x	x		x	x	Levias; MisL	OL	P	3,015	5	AC		
729	0	2	0	x	x		x	x	McClosky; MisL <sup>2b</sup>	OL	P	3,075	16	AC		
730	0	4	0													
731	0	75	0												MisL	3,091
732	0	5	0	x	x		37.0	x	Bridgeport; Pen	S	L	1,400	20	AL		
733	0	3	0	x	x		x	x	Degonia; MisU	S	L	1,905	x	AL		
734	0	31	0	x	x		33.8	0.28	Palestine; MisU	S	L	2,010	18	AL		
735	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,210	19	AL		
736	0	20	0	x	x		38.0	x	Tar Springs; MisU	S	P	2,245	15	AL		

TABLE I.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells/		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
737			x	x	x		0	0	2	0	0
738			x	x	x		0	0	8	0	0
739			x	x	x		0	0	1	0	0
740			x	x	x		0	0	1	0	0
741									3	0	0
742	New Harmony Consolidated, White.....	1939	9,000	28,542,000	4,400,000		0	0	742	21	2
743			x	x	x		0	0	2	2	0
744			x	x	x		0	0	8	0	0
745			x	x	x		0	0	22	0	0
746			x	x	x		0	0	27	0	0
747			x	x	x		0	0	87	0	0
748			x	x	x		0	0	11	0	0
749			x	x	x		0	0	128	2	0
750			x	x	x		0	0	179	9	1
751			x	x	x		0	0	0	0	0
752			x	x	x		0	0	2	0	0
753			x	x	x		0	0	88	1	0
754									188	7	1
755	New Harmony South, White.....	1941	60	58,000	13,000		0	0	4	0	0
756			x	x	x		0	0	1	0	0
757			x	x	x		0	0	1	0	0
758			x	x	x		0	0	1	0	0
759			x	x	x		0	0	1	0	0
760	New Haven, White.....	1941	250	455,000	68,000		0	0	22	0	0
761			x	x	x		0	0	4	0	0
762			x	x	x		0	0	1	0	0
763			x	x	x		0	0	9	0	0
764			x	x	x		0	0			
765			x	x	x		0	0	5	0	0
766			x	x	x		0	0	1	0	0
767									4	0	0
768	New Haven North, White.....	1944	20	3,000	3,000		0	0	2	2	0
769	Phillipstown Consolidated, White.....	1939	2,000	2,476,000	1,012,000		0	0	129	40	2
770			x	x	x		0	0	3	2	0
771			x	x	x		0	0	6	6	0
772			x	x	x		0	0	7	0	0
773			x	x	x		0	0	11	7	0
774			x	x	x		0	0	2	0	0
775			x	x	x		0	0	2	0	0
776			x	x	x		0	0	0	0	0
777			x	x	x		0	0	40	0	1
778			x	x	x		0	0			
779			x	x	x		0	0	3	3	0
780			x	x	x		0	0	11	5	0
781			x	x	x		0	0	3	1	0
782			x	x	x		0	0	3	0	0
783			x	x	x		0	0	15	5	1
784									23	11	0
785	Stokes, White.....	1939	1,000	1,595,000	412,000		0	0	48	3	0
786			x	x	x		0	0	2	0	0
787			x	x	x		0	0	2	1	0
788			x	x	x		0	0	7	0	0
789			x	x	x		0	0	11	0	0
790			x	x	x		0	0	5	0	0
791			x	x	x		0	0	3	2	0
792			x	x	x		0	0	0	0	0
793			x	x	x		0	0	12	0	0
794									6	0	0
795	Storms, White.....	1939	1,740	4,477,000	341,000		0	0	157	1	0
796			x	x	x		0	0	152	0	0
797			x	x	x		0	0	2	1	0
798			x	x	x		0	0	3	0	0
799	Trumbull, White.....	1944	10	x	x		0	0	1	1	0
800	Roland, White, Gallatin.....	1940	2,000	4,926,000	839,000		0	0	165	17	0
801			x	x	x		0	0	72	0	0

TABLE I.—(Continued)

Line Number	Wells Producing <sup>a</sup> Dec. 1944			Reservoir Pressure, Lb. per Sq. In. <sup>b</sup>		Character of Oil <sup>c</sup>		Producing Formation						Deepest Zone Tested <sup>d</sup> to End of 1944		
	Oil <sup>a</sup>			Initial	Avg./End 1944	Secondary Recovery <sup>a</sup>	Gravity A.P.I. at 60°F. <sup>e</sup>	Sulphur, Per Cent	Name and Age <sup>f</sup>	Character <sup>g</sup>	Porosity, Per Cent <sup>h</sup>	Depth to Top of Producing Zone, Ft. <sup>i</sup>	Productive Thickness, Avg. Ft., <sup>j</sup> Net	Structure <sup>o</sup>	Name	Depth of Hole, Ft.
	Flowing	Artificial Lift	Gas													
737	0	2	0	x	x		39.0	x	Cypress; MisU	S	P	2,565	8	AL		
738	0	8	0	x	x		x	x	Aux Vases; MisU	S	P	2,845	14	AL		
739	0	1	0	x	x		x	x	Levias; MisU	OL	P	2,865	18	MC		
740	0	1	0	x	x		x	x	McClosky; MisL	OL	P	2,870	2	MC		
741	0	3	0													
742	1	684	0			G									MisL	3,220
743	0	2	0	x	x		x	x	Jamestown; Pen	S	P	717	13	AL		
744	0	8	0	x	x		x	x	Biehl; Pen	S	P	1,850	20	AL		
745	0	21	0	x	x		37.6	0.49	Waltersburg; MisU	S	P	2,155	20	AL		
746	0	27	0	x	x		36.8	0.19	Tar Springs; MisU	S	P	2,215	20	AL		
747	0	27	0	x	x		39.0	x	Cypress; MisU	S	P	2,570	30	AL		
748	0	11	0	x	x		38.0	x	Paint Creek; MisU	S	P	2,660	20	AL		
749	0	100	0	x	x		36.0	0.24	Bethel; MisU	S	P	2,700	25	A		
750	1	154	0	x	x		36.4	0.19	Aux Vases; MisU	S	P	2,825	15	AC		
751	0	2	0	x	x		x	x	Levias; MisL	OL	P	2,900	5	AC		
752	0	2	0	x	x		x	x	Rosiclare; MisL	SL	P	2,905	10	AC		
753	0	86	0	x	x		39.2	0.20	McClosky; MisL	OL	P	2,925	8	AC		
754	0	193	0													
755	0	2	0												MisL	3,207
756	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,250	20	MF		
757	0	0	0	x	x		x	x	Tar Springs; MisU	S	P	2,355	16	MF		
758	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,820	15	MF		
759	0	0	0	x	x		38.0	x	McClosky; MisL	OL	P	3,010	8	MF		
760	0	22	0												MisL	2,900
761	0	4	0	x	x		36.4	0.27	Tar Springs; MisU	S	P	2,100	10	ALf		
762	0	1	0	x	x		38.0	x	Hardinsburg; MisU	S	P	2,250	7	ALf		
763	0	8	0	x	x		38.0	x	Cypress; MisU	S	P	2,435	12	ALf		
764	0			x	x		x	x	Bethel; MisU <sup>25</sup>	S	P	2,630	9	ALf		
765	0	3	0	x	x		39.0	x	Aux Vases; MisU	S	P	2,715	17	ALf		
766	0	2	0	x	x		38.0	x	McClosky; MisU	OL	P	2,830	6	MC		
767	0	4	0													
768	0	2	0	x	x		x	x	Tar Springs; MisU	S	P	2,175	10	ML	MisL	2,986
769	0	116	0												Dev	5,350
770	0	3	0	x	x		x	x	Pennsylvanian; Pen	S	P	795	10	MF		
771	0	6	0	x	x		x	x	Pennsylvanian; Pen	S	P	1,340	10	MF		
772	0	7	0	x	x		36.2	0.22	Pennsylvanian; Pen	S	P	1,450	15	MF		
773	0	8	0	x	x		x	x	Degonia; MisU	S	P	1,975	10	MF		
774	0	4	0	x	x		36.0	x	Clore; MisU	S	P	2,010	10	MF		
775	0	2	0	x	x		36.0	x	Palestine; MisU	S	P	2,050	10	MF		
776	0	1	0	x	x		x	x	Waltersburg; MisU	S	P	2,280	x	MF		
777	0	35	0	x	x		36.0	x	Tar Springs; MisU	S	P	2,295	15	ALf		
778	0			x	x		x	x	Cypress; MisU	S	P	2,720	12	AF		
779	0	9	0	x	x		x	x	Paint Creek; MisU	S	P	2,780	9	AF		
780	0	14	0	x	x		x	x	Bethel; MisU	S	P	2,810	12	AF		
781	0	8	0	x	x		39.4	x	Aux Vases; MisU	S	P	2,880	15	AF		
782	0	0	0	x	x		x	x	Rosiclare; MisL	SL	P	2,960	10	AC		
783	0	8	0	x	x		38.2	0.21	McClosky; MisL	OL	P	3,000	6	AC		
784	0	11	0													
785	0	48	0													
786	0	3	0	x	x		x	x	Tar Springs; MisU	S	P	2,295	16	MF	MisL	3,204
787	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,660	12	MF		
788	0	19	0	x	x		x	x	Paint Creek; MisU	S	P	2,800	22	AF		
789	0	1	0	x	x		x	x	Bethel; MisU	S	P	2,813	8	AF		
790	0	4	0	x	x		x	x	Aux Vases; MisU	S	P	2,890	15	AF		
791	0	4	0	x	x		x	x	Levias; MisL	OL	P	3,035	5	AC		
792	0	1	0	x	x		x	x	Rosiclare; MisL	SL	P	x	x	AC		
793	0	5	0	x	x		35.8	0.26	McClosky; MisL	OL	P	3,070	10	AC		
794	0	11	0													
795	0	143	0													
796	0	138	0	x	x		32.1	0.28	Waltersburg; MisU	S	P	2,230	11	AL	MisL	3,173
797	0	2	0	x	x		x	x	Cypress; MisU	S	P	2,655	10	ALf		
798	0	3	0	x	x		x	x	Paint Creek; MisU	S	P	2,805	14	ML		
799	0	1	0	x	x		x	x	Cypress; MisU	S	P	2,830	x	A	MisU	2,858
800	0	154	0												Dev	5,225
801	0	62	0	x	x		x	x	Waltersburg; MisU	S	P	2,170	15	AL		

In 1943, some 22,905 acres were added, 2,600 acres in new fields and 20,215 acres in older fields.

### DRILLING

During the year, 1991 wells were drilled for oil or gas. In addition five completions of gas-input wells and six of wells for salt-water disposal were reported, and there was an unknown number of unreported input wells. Of the 1991 wells drilled for oil or gas, 1217 were oil wells, 6 were gas wells, and 768 were dry holes. Producing wells made up 61 per cent of the wells drilled, an increase of 2 per cent over 1943. Of the total number of wells drilled, 430 are classified as wildcat. Of this number 70, or 16 per cent, were successful in obtaining production, as compared with 94 successful completions (20 per cent) in 1943 (Tables 2A and 2B). Of the 430 wildcat wells completed in 1944 (Table 4), 261 were more than 2 miles from production, and of these, 28 (or 11 per cent) were successful. For comparison, 243 wildcat wells were more than 2 miles from production in 1943,

and of these, 29 (or 12 per cent) were successful. Table 2D is a list of selected dry wildcat wells, including deep-pool tests and wildcats in nonproducing parts of the state.

A summary of drilling by counties for the year is given in Table 5.

### Exploration Methods

Of the 430 wildcat wells drilled (Table 4), 18 per cent of the 364 known to have been located by scientific methods were successful, as compared with 22 per cent success for wildcats thus located in 1943. The total footage of wildcat wells drilled in 1944 was 1,073,714 ft. of which a total of 192,167 ft., or 18 per cent, was drilled in successful wells.

Subsurface geology and seismograph surveys were used in locating 85 per cent of the wildcat wells drilled in 1944 in Illinois. New pools were discovered by the following methods: subsurface geology, 15; seismograph surveys, 7; seismograph and subsurface geology, 3; nonscientific, 3.

TABLE 1.—(Continued)

Line Number	Field, County <sup>a</sup>	Year of Discovery	Oil Production			Gas Production			Number of Oil and/or Gas Wells <sup>f</sup>		
			Area Proved, Acres <sup>b</sup>	Total Production, Bbl. <sup>c</sup>		Area Proved, Acres <sup>d</sup>	Millions Cu. Ft. <sup>e</sup>		Completed to End of 1944	1944	
				To End of 1944	During 1944		To End of 1944	During 1944		Completed	Abandoned
802			z	z	z	0	0	4	0	0	
803			z	z	z	0	0	12	7	0	
804			z	z	z	0	0				
805			z	z	z	0	0	17	2	0	
806			z	z	z	0	0	20	1	0	
807			z	z	z	0	0				
808			z	z	z	0	0				
809			z	z	z	0	0	2	0	0	
810	Mill Shoals, White, Hamilton, Wayne...	1939	1,840	3,452,000	476,000	0	0	38	7	0	
811			z	z	z	0	0	134	19	1	
812			z	z	z	0	0	107	16	1	
813			z	z	z	0	0				
814			z	z	z	0	0				
815			z	z	z	0	0	23	2	0	
816								4	1	0	
816	Total for fields after Jan. 1, 1937 <sup>d</sup> .....		173,485	642,407,000	72,946,000	6,126	600	14,287	1,187	193	
817	Total for Illinois <sup>d</sup> .....		329,050	1,103,768,000	77,413,000	8,552	615	35,088	1,235	668	

<sup>d</sup> Total from U. S. Bureau of Mines monthly report.



TABLE 2.—Important Wells Drilled in Illinois in 1944

Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Pro- duction, Bbl. <sup>a</sup>	Date of Comple- tion of Discovery Well	Number of Wells Pro- ducing in Field Jan. 2, 1945
A. DISCOVERY WELLS OF NEW FIELDS									
1 Benington South	Edwards	Nash Redwine, G. C. Jones 1	31-1N-10E	3,253	3,298	McClosky	132 + 67	7-18-44	1
2 White Grove East	Clay	Wagon, Ref. and Doran, Marvin 1	22-4N-7E	2,588	2,588	Cypress	156	12-10-44	2
3 Bogota South	Jasper	Schuller and Witt, Lourance 1	35-1N-9E	3,045	2,954	McClosky	57	7-4-44	1
4 Bismarck	Jefferson	Chapman, Blunt, L. 1	30-1S-2E	2,063	2,050	Bethel	167	8-22-44	15
5 Calhoun	Richland	Phillips Petr. Co., Jennings 1	6-2N-10E	3,280	3,166	Levias	178	8-22-44	6
6 Calhoun North	Richland	Pure Oil Co., Koerfige 1	33-3N-10E	3,276	3,165	Rosiclare, McClosky	149 + 97	1-2-45	1
7 Concord South	White	Great Lakes Carbon, Burris 1	7-7S-10E	2,313	2,313	Tar Springs	50	9-12-44	2
8 Dixie West	Jefferson	Texas Company, W. Green 1	15-1S-3E	2,862	2,752	McClosky	85	2-29-44	2
9 Eving	Jefferson	Central Pipe Line, Rose 1	4-5S-3E	2,980	2,973	McClosky	146 + 15	12-5-44	11
10 Fitzgerald	Jefferson	Texas Company, Inland Steel 1	25-4S-1E	3,012 (PB 2,776)	2,756	Bethel	53 + 46	12-12-44	1
11 Hoodville East	Hamilton	Nat. Assoc. Petr., Stocker 1	33-6S-7E	3,387	3,364	McClosky	80 + 10	6-13-44	0
12 Keensburg South	Wabash	Central Pipe Line, Garst 1	27-2S-13W	2,728	2,713	Levias	173	6-13-44	2
13 Lancaster East	Wabash	Greathing, Case 1	36-2N-13W	2,630 (PB 1,761)	1,745	Bethel	5	12-12-44	1
14 Maple Grove East	Edwards	Texas Company, C. Lambright 1	1-1N-10E	3,242	3,215	McClosky	133 + 42	6-6-44	3
15 Mt. Erie North	Wayne	Jahloniski, Yorndorf-Ascher 1	3-1N-9E	3,226	3,100	Aux Vases	47	1-25-44	4
16 New Haven North	White	Sohio, Union Cen. Life Ins. 1-A	10-7S-10E	2,183	2,174	Tar Springs	40	8-1-44	2
17 New Haven West	Gallatin	Oil Management, Goforth 2	27-7S-10E	2,115	2,098	Tar Springs	184	8-15-44	8
18 Newton	Jasper	Texas Company, Huddleston 1	13-6N-9E	3,022	2,929	McClosky	39 + 22	1-2-45	1
19 Onicy East	Richland	Texas Company, Wright 1	24-4N-10E	3,094	3,080	McClosky	416	12-19-44	1
20 Roaches North	Jefferson	Texas Company, Kasban 1	8-2S-1E	2,255	2,103	Rosiclare	221 + 10	8-15-44	28
21 Sailor Springs East	Clay	Magnolia Petr. Co., Mary A. Rinnert 1	33-4N-8E	2,718	2,690	Cypress	32	8-29-44	9
22 Santa Fe	Clinton	Texas Company, Althoff 1	29-1N-3W	2,512 (PB 974)	953	Cypress	5½ + 2	12-5-44	1
23 Sumner	Lawrence	Texas Company, M. D. Smith 1	16-4N-13W	2,359	2,261	McClosky	65	8-22-44	1
24 Thackray	Hamilton	Nat. Assoc. Petr., Johnson 2	10-8S-7E	3,402	3,384	Aux Vases	60	8-5-44	3
25 Thompsonville North	Franklin	Deep Rock, Kirk Tr. 1	15-7S-4E	3,152	3,113	Aux Vases	110 + 3	12-19-44	1
26 Trumbull	White	Lewis, Burkhard 1	18-8S-9E	2,858	2,830	Cypress	192	1-2-45	1
27 West End	Hamilton	Sinclair-Wyoming, Russell 1	17-7S-5E	3,150	3,131	Aux Vases	425	1-2-45	1
28 Whittington West <sup>b</sup>	Franklin	Murchison, Franklin County Coal 1	11-8S-2E	2,942	2,732	Levias	8	12-13-43	3
29 Willow Hill	Jasper	Pure Oil Co., Dhom 'A' 1	34-7N-10E	2,715	2,665	McClosky	213	11-25-44	1
B. DISCOVERY WELLS OF EXTENSIONS TO POOLS									
1 Allion Consolidated	Edwards	Superior, Blood A-1	1-3S-10E	3,263	2,997; 3,109;	Bethel, Aux Vases;	88	6-5-44	
2 Bally Prairie	Hamilton	Phillips Petr. Co., Leach 1	12-4S-6E	3,450	3,043	McClosky	85 + 85	10-3-44	
3 Bally Prairie	Hamilton	Shell Oil Co., Shepard 1	2-4S-6E	3,432	3,045	McClosky	61 + 15	5-23-44	
4 Bible Grove	Effingham	Schuman Bros., F. W. Veith 1	34-6N-7E	2,541	2,528	Cypress	85	11-21-44	
5 Browns	Edwards	Kingsland, Tr. 1	4-2S-14W	3,112 (PB 3,020)	3,013	McClosky	12 + 31	1-7-44	
6 Browns	Edwards	Mitchell, Henderson 1	5-2S-14W	2,869	2,850	Bethel	50	12-5-44	
7 Bone Gap	Edwards	Schraack, McDowell 1	6-1S-14W	3,188	3,133	McClosky	30	7-25-44	

<sup>a</sup> Oil and water.<sup>b</sup> Discovered in 1943; named 2-3-44.

TABLE 2.—(Continued)

Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Production, Bbl. <sup>a</sup>	Date of Completion or Discovery in Field Wall	Number of Wells Pro- ducing in Field Jan. 2, 1945
8 Boykston Consolidated	Wayne	Pure Oil Co., Wayne County Farm 1	24-1S-7E	3,332	3,312	McClosky	382 + 176	7-11-44	
9 Calhoun	Richland	Climer (Ill. Prod.), Richards 1	7-2N-10E	3,188	3,157	McClosky	30	12-12-44	
10 Calvin North	White	Nat. Assoc. Petr., Bisch 1	30-3S-14W	3,120	1,534	Pennsylvanian	43 + 43	5-16-44	
11 Carlinville North	Macoupin	Gill, Wilson 1	29-10N-7W	469	462	Pottsville	8	11-14-44	
12 Clay City Consol.	Wayne	Pure Oil Co., Fitch 1	16-1N-8E	3,180	3,071	McClosky	55 + 92	3-28-44	
13 Clay City Consol.	Wayne	Pure Oil Co., Jones "A" 1	21-1N-8E	3,215 (PB 3,048)	3,010	Aux Vases	48	12-5-44	
14 Clay City Consol.	Wayne	Pure Oil Co., Miller "A" 1	34-2N-8E	3,060	2,998	McClosky	70	9-12-44	
15 Clay City Consol.	Wayne	Pure Oil Co., Thompson "A" 1	26-2N-7E	3,082	3,026	McClosky	427 + 38	6-20-44	
16 Clay City West	Clay	Anso, McAllister 1	3-2N-7E	3,150	2,700	McClosky	29 + 4	10-3-44	
17 Coffing	Edwards	Wickham, Schroeder 1	27-2S-14W	3,158	2,971	Cypress	55 + 100	8-1-44	
18 Gelf	Wayne	Pure Oil Co., Molt "A" 1	31-1N-8E	3,441	3,089	Rosiclare	110 + 113	4-18-44	
19 Golden Gate Consolidated	Wayne	Cities Service, Kletzler 1	4-3S-9E	2,559	2,145	Levias; Rosiclare	130 + 10	12-5-44	
20 Iowa	Clay	Texas Company, Rose 1	10-5N-5E	1,161	1,144	Cypress	27 + 5	10-24-44	
21 Kearsburg South	Wayne	Fox Bros., Thompson 2	3-3S-13W	2,574	2,548	Pennsylvanian	35 + 30	8-8-44	
22 Lancaster West	Wabash	Grading, Cooper 1	33-2N-13W	2,048	2,976	Bethel	170	6-6-44	
23 Lawrence	Edwards	Martin, Bradham 1	13-3N-13W	3,125 (2,990)	2,022; 2,038	Levias; McClosky	8 + 10	11-14-44	
24 Madison	Lawrence	Big Four and Ashland, Sumner-Briggs 1	8-4N-6W	2,048	1,719	Silurian	45	7-25-44	
25 Mayfield	Wayne	Oetting, Puckett, Felix 1	12-3S-7E	3,238	3,240	Aux Vases	129	2-15-44	
26 Mill Shoals	Wayne	Shell Oil Co., Winkler 1	33-1N-12W	2,435 (PB 2,114)	1,993	Cypress	35 + 14	8-8-44	
27 Mt. Carmel	Wabash	Pure Oil Co., Wilson Consol. "A" 1	12-1S-8E	3,235	3,217	McClosky	43 + 115	4-18-44	
28 Mt. Erie North	Wayne	Dolly and Reifield, Tinsbury 1	9-1N-9E	3,247	3,246	McClosky	210 + 15	7-18-44	
29 Mt. Erie North	Wayne	Dolly and Reifield, Totten-Rothrock 1	3-1S-9E	2,270	3,209	McClosky	20 + 650	12-5-44	
30 Mt. Erie North	Wayne	Schell Oil Co., Pearce "C" 1	3-5S-9E	2,186	2,176	Tar Springs	18	8-22-44	
31 New Haven North	Richland	Pure Oil Co., Chalmers "C" 1	2-3N-8E	2,170	2,970	McClosky	113 + 88	8-29-44	
32 Noble	Richland	Pure Oil Co., Smith "B" 1	2-3N-8E	2,092	2,966	McClosky	595	12-12-44	
33 Noble	Richland	Pure Oil Co., Smith "A" 1	25-3N-8E	3,092	2,968	McClosky	285	7-18-44	
34 Noble	Wabash	Olds Oil Co., Stillwell 2	28-1N-12W	2,387 (PB 2,040)	2,011	Cypress	5	11-28-44	
35 Patton West	Wabash	Skiles Schmitt 1	20-1N-12W	2,351	1,381	McClosky	345 + 15	12-5-44	
36 Patton West	Jefferson	Nat. Assoc. Petr., Casner Oil and Gas 1	5-9S-1E	1,900	1,855	Bethel	146	9-12-44	
37 Roaches North	Richland	Pure Oil Co., Kurtz 1	10-3N-9E	3,046	2,868	McClosky	232	7-4-44	
38 Schnell	Clay	Wickham, McCauley 2	23-3N-8E	2,976	2,974	McClosky	225	8-8-44	
39 Sesser	Franklin	Jarvis, Old Ben Coal 1A-2	29-5S-2E	2,866	2,836; 2,856	Rosiclare; McClosky	40 + 60	11-28-44	
40 Sesser	Franklin	Skelly Oil Co., McCarty 1	7-6S-10E	3,173 (PB 2,705)	2,698	Cypress	17 + 30	10-24-44	
41 Storms	White	Randall, U. S. Coal and Coke 1	14-5S-2E	2,716	2,679	Aux Vases	42	9-12-44	
42 Whittington West	Franklin								

## C. DISCOVERY WELLS OF ADDITIONAL PRODUCING ZONES IN POOLS

Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Production, Bbl. <sup>a</sup>	Date of Completion or Discovery in Field Wall	Number of Wells Pro- ducing in Field Jan. 2, 1945
1 Albion Consolidated	Edwards	Carter Oil Co., Schmittler 1	12-3S-10E	3,188	2,650	Hardinsburg	756 + 60 <sup>c</sup>	12-12-44	
2 Albion Consolidated	Edwards	Schrock, Scott Heirs 1	36-2S-10E	2,069	2,059	Bethel	114	2-8-44	
3 Albion Consolidated	Edwards	Superior, Muesel 5	36-2S-10E	3,119	2,127	Pegonia	150 + 2 <sup>c</sup>	12-12-44	
4 Albion Consolidated	Edwards	Superior, Willett 1	25-2S-10E	3,181	2,448	Tar Springs	218 + 27 <sup>c</sup>	5-9-44	
5 Albion Consolidated	Edwards	Superior, Willett 2	36-2S-11E	3,123	2,944	Renault	125 <sup>c</sup>	4-11-44	

<sup>c</sup> Production from two or more pays.

TABLE 2.—(Continued)

Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Pro- duction, Bbl. <sup>a</sup>	Date of Comple- tion of Discovery Well	Number of Wells Pro- ducing in Field Jan. 2, 1945
6 Bennington.....	Edwards	Tidewater, Van Schoick 1	18-1N-10E	3,235	3,214	McClosky	145	12-5-44	
7 Benton North.....	Franklin	Markham, Old Ben Coal 1	1-6S-2E	2,458	2,427	Cypress	10 + 68	10-17-44	
8 Boyd.....	Jefferson	Superior, Price 4	19-1S-2E	2,158	2,134	Aux Vases	453	10-31-44	
9 Browns.....	Edwards	Nat. Assoc. Petr., York-Tibbs 2	28-1S-14W	2,948 (PB 2,783)	2,778	Bethel	170	7-11-44	
10 Browns.....	Edwards	Superior, Lipper 6	28-1S-14W	3,071	2,994	McClosky	444	7-11-44	
11 Bungay.....	Hamilton	Nat. Assoc. Petr., York-Tibbs 2	35-4S-7E	3,442	3,428	McClosky	20	8-14-44	
12 Burnt Prairie.....	White	New Penn Develop., Whitlow 4	28-3S-9E	3,430		Aux Vases	50	8-1-44	
13 Calhoun.....	Richland	Phillips, Richland 1	6-2N-10E	3,163	3,150	McClosky	577	10-17-44	
14 Calvin North.....	White	White Eagle, Woodham 1	20-3S-14W	3,082	2,996	McClosky	42	12-5-44	
15 Coil W.....	Jefferson	Gulf, Donoho 1	23-1S-4E	2,961 (PB 2,814)	2,920	Aux Vases	210 + 5 <sup>c</sup>	5-16-44	
16 Concord.....	White	Great Lakes Carbon, Tuley 1	32-1S-7E	2,846	2,720	Cypress	80 + 25	2-15-44	
17 Covington.....	Wayne	Deep Rock, Harper 1	21-6S-10E	3,297	3,244	Rosiclare	88 + 18 <sup>c</sup>	2-1-44	
18 Cowling.....	Edwards	Wickham, Schroeder 1	32-1S-7E	3,004	2,971	McClosky	55 + 100	8-1-44	
19 Divide West.....	Jefferson	Texas, Green 4	27-2S-14W	2,985	2,682	McClosky	129 + 33 <sup>c</sup>	10-10-44	
20 Flora.....	Clay	Tidewater, Graham-Hill 1	13-3N-5E	2,854 (PB 2,800)	2,874	Aux Vases	110 + 113	1-25-44	
21 Geff.....	Wayne	Pure, Molt "A" 1	31-1N-8E	3,158	3,089	Rosiclare	35 + 30	1-25-44	
22 Grayville.....	White	Yngling, Potter Comm. 1	20-3S-14W	2,790	2,690	Pennsylvanian	36	8-3-44	
23 Keensburg South.....	Wabash	Fox Bros., Thompson 2	3-3S-13W	2,760	2,693	Aux Vases	170 + 20	0-27-44	
24 Lancaster.....	Wabash	Schrock, Schert 1	43-2S-15E	2,986	2,939	Aux Vases	21	5-2-44	
25 Markham City North.....	Jefferson	Central Pipe Line, J. T. Henry 2	4-1N-13W	2,704	2,648	Rosiclare	16	5-18-44	
26 Markham City North.....	Colles	Beckman, Herman Comm. 1	22-1S-10E	2,704	2,648	Rosiclare	16	5-18-44	
27 Maunio North.....	White	Continental Oil, Brown 1	12-1S-8E	3,114	3,015	McClosky	132 + 14 <sup>c</sup>	7-18-44	
28 Mt. Erie.....	Wayne	Gulf, Wynona-Blackburn 1	9-1N-9E	3,247	3,068	McClosky	210 + 15	9-12-44	
29 Mt. Erie North.....	Wayne	Dell, and Reynolds 1	20-1N-12W	2,825	2,813	McClosky	7 + 50 <sup>c</sup>	9-12-44	
30 Patton West.....	Wabash	Bell Bros., Green 3	20-1N-12W	2,851 (PB 2,170)	2,022	Cypress	15	8-7-44	
31 Patton West.....	Wabash	2,851 (PB 2,170)	20-1N-12W	2,139	2,139	Bethel	15	3-7-44	
32 Patton West.....	Wabash	Luttrell, Litherland 1	20-1N-12W	2,112 (PB 1,565)	1,542	Bethel	50 + 34	2-15-44	
33 Patton West.....	Wabash	Shell, Woods et al 1	20-1N-12W	2,300	2,284	Aux Vases	95	5-16-44	
34 Patton West.....	Wabash	Williams, Rosignol 1	20-1N-12W	2,300	2,276	Paint Creek	60 + 10	2-29-44	
35 Phillipsdown Consolidated.....	White	Gulf, Garfield Parson 1	7-4S-14W	2,826	1,933	Bethel	195	8-2-44	
36 Roaches North.....	Jefferson	Texas, Kasban 2	29-5S-2E	2,138	1,933	Rosiclare	40 + 60	11-28-44	
37 Roaches North.....	Franklin	Jarvis, Old Ben Coal 1 A-2	29-5S-2E	2,866	2,836	McClosky	40 + 60	11-28-44	
38 Sesser.....	Franklin	Jarvis, Old Ben Coal 1 A-2	29-5S-2E	2,866	2,836	McClosky	40 + 60	11-28-44	
39 Whittington West.....	Franklin	Randall, U. S. Coal and Coke 1	14-5S-2E	2,716	2,679	Aux Vases	42	9-12-44	

TABLE 2.—(Continued)

Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Pro- duction, Bbl. <sup>a</sup>	Date of Comple- tion of Discovery Well	Number of Wells Pro- ducing in Field Jan. 2, 1945
D. Selschen List of Dry Tests									
1 Bond		Magnolia, L. V. Hunter <sup>1</sup>	15-6N-3W	2,386	2,276	Dutch Creek (Dev)		11-14-44	
2 Bond		Texas, Enloe 1	6-4N-2W	3,397	3,372	Trenton		5-2-44	
3 Bond		Texas, F. M. Miller 1	22-6N-2W	2,485	2,416	Clear Creek (Dev)		11-28-44	
4 Bond		Union Prod. Petr., Acemero 1	26-4N-4W	3,170				11-28-44	
5 Bond		Jansen, Carpenter 1	9-9N-12W	2,735	2,697	Devonian		6-6-44	
6 Clark		Texas, Coldren 1	4-11N-11W	2,406	2,236	Devonian		10-3-44	
7 Clark <sup>4</sup>		Wright, Hight 1	32-9N-14W	2,570	2,503	Devonian		10-17-44	
8 Clinton		Standolind, Phillips 1	4-2N-3W	2,513	2,391	Devonian		2-1-44	
9 Clinton		Strickland, Haake 1	32-2N-3W	2,602	2,498	Devonian		12-19-44	
10 Clinton		Texas, Schumacher 1	29-3N-4W	2,426	2,225	Devonian		5-2-44	
11 Douglas		Ohio, Shaw 1	36-16N-8E	4,151	4,045	Mt. Simon		1-2-45	
12 Fayette		Texas, Sheridan-Stokes 1	7-8N-1E	3,663	3,607	Plattin		1-11-44	
13 Ford		Herndon, W. J. Fecht 1	33-26N-9E	2,237	2,075	Oncota		2-1-44	
14 Greene		Beatrice Creamery, Chicago Cold Storage 1	26-12N-13W	1,100	1,063	St. Peter		5-2-44	
15 Hamilton <sup>5</sup>		Texas, Davis 14	12-11N-10W	1,001	1,001	Devonian		5-23-44	
16 Hancock		Johnson, Waller 1	7-6S-7E	5,358	5,020	Devonian		12-5-44	
17 Henderson		Herndon, M. D. Laffey 1	17-3N-7W	3,025	2,760	Mt. Simon		3-14-44	
18 Henderson		Northern Ordinance, Adams 1	28-8N-4W	323	698	Maquoketa		6-27-44	
19 Henderson		Northern Ordinance, Bohan 1	18-8N-4W	729				7-18-44	
20 Henderson		Northern Ordinance, Covert 1	35-8N-4W	725				8-1-44	
21 Henderson		Northern Ordinance, Likely 1	1-9N-5W	410	405	Maquoketa		8-22-44	
22 Henderson		Northern Ordinance, Fendarvis 1	17-9N-4W	446				9-27-44	
23 Henderson		Northern Ordinance, Tubbs 1	23-9N-4W	462				9-22-44	
24 Henderson		Northern Ordinance, Tubbs 2	22-9N-4W	390				1-11-44	
25 Henderson		Northern Ordinance, Scherck 1	15-8N-4W	605				5-22-44	
26 Jackson		Northern Ordinance, Scherck 1	15-8N-4W	674	667	Maquoketa		5-25-44	
27 Jefferson		Magnolia, Froemling-Heusch 1	11-8S-2E	3,582	3,421	"Trenton"		6-27-44	
28 Kendall		Nash, Redwine, V. Laux 1	15-18-2E	3,065	3,611	Devonian		6-20-44	
29 McDonough		Herndon, R. Proctor	26-36N-8E	2,323		Mt. Simon		9-2-44	
30 McDonough		Northern Ordinance, Champion 1	9-6N-3W	749				11-7-44	
31 Madison		Northern Ordinance, Deems 1	26-7N-4W	760				11-14-44	
32 Montgomery		Magnolia, Plocker 1	10-3N-5W	2,897	2,876	Plattin		12-19-44	
33 Montgomery		Malone, Todd 1	21-1N-5W	632				4-4-44	
34 Montgomery		Texas, Long	21-11N-5W	632		"Trenton"		6-13-44	
35 Randolph		Texas, Dehaard Marine Bank 1	32-10N-3W	2,935	2,359	"Trenton"		5-2-44	
36 Randolph		General Oil and Gas, Schmol 3	27-4S-7W	2,714	2,636	"Trenton"		8-22-44	
37 Randolph		General Oil and Gas, Schmol 4	27-4S-7W	450				11-28-44	
38 Randolph		McHughes, Wilson 1	23-6S-6W	427	635	Aux Vases		4-18-44	
39 St. Clair		Braun, Munier 1	27-1S-8W	757	185	Cypress		2-29-44	
40 St. Clair		Sinclair-Wyoming, Baer 1	23-2N-6W	2,575	2,459	"Trenton"		10-24-44	
41 St. Clair		Skelly, Schickelann 1	12-8S-6W	2,805	2,684	"Trenton"		8-15-44	

<sup>4</sup>Old well deepened. Near Johnson South field.<sup>5</sup>In Dale-Hoodville field.<sup>6</sup>In Dix field.

TABLE 2.—(Continued)

Pool	County	Company and Farm	Location	Total Depth, Ft.	Depth to Top, Ft.	Producing Formation	Initial Pro- duction, Bbl. <sup>a</sup>	Date of Comple- tion of Discovery Well	Number of Wells Pro- ducing in Field Jan. 2, 1945
42	St. Clair	Young, McCurdy 3	32-3S-6W	530	506	Cypress		3-28-44	
43	St. Clair	Young, McCurdy 4	29-3S-6W	618	590	Bethel		7-25-44	
44	Saline	Brehm, Webb 1	28-8S-6E	3,063	2,855	St. Genevieve		12-19-44	
45	Saline	Jarvis and Marell, R. Raley 1	10-10S-6E	2,074	1,953	Cypress		1-25-44	
46	Saline	Jarvis and Marell, Sisk 1	15-10S-6E	1,520	1,498	Watersburg		3-21-44	
47	Saline	Magnolia, Frutt 1	7-9S-6E	2,886	2,615	St. Genevieve		7-11-44	
48	Schuyler	Amberg and Miller, Taylor 1	30-1N-1W	630	630	St. Genevieve		6-20-44	
49	Schuyler	Northern Ordnance, E. B. Greuel 1	7-3N-1W	684	684	Maquoketa		8-15-44	
50	Schuyler	Northern Ordnance, E. Payne 1	3-3N-2W	736	736	Devonian		10-10-44	
51	Schuyler	Northern Ordnance, A. Taap 1	1-3N-2W	783	783	St. Louis		9-12-44	
52	Shelby	Luttrell, McAndrew 1	3-10N-6E	2,314	664	Devonian		10-31-44	
53	Shelby	Lynch, Amberg 1	20-12N-6E	1,666	1,598	St. Genevieve		9-27-44	
54	Shelby	Texas, Noffke 1	31-1N-6E	2,682	2,682	St. Genevieve		7-11-44	
55	Shelby	Thorpe, Hosteler 1	33-1N-4E	2,634	1,888	St. Genevieve		2-22-44	
56	Union	Nation Oil, Gray 1	2-11S-1E	1,949	1,730	St. Genevieve		2-1-44	
57	Washington	Huhhard, Sandbeindrich 1	18-2S-5W	952	920	Aux Vases		2-8-44	
58	Washington	Ruwalt, Brinkman 1	14-2S-5W	2,475	2,290	Devonian		6-6-44	
59	Wayne <sup>o</sup>	Texas, Draper 1	8-3S-6E	5,377	5,189	Devonian		6-6-44	
60	Wayne <sup>a</sup>	Texas, Greathouse 1	27-1N-6E	5,200	5,186	Clear Creek (Dev)		11-14-44	
61	Will	Livengood, E. L. Herren 1	23-36N-9E	1,958	1,904	Mr. Simon		11-14-44	
62	Williamson	Browning, Hayton 1	32-9S-1E	2,060	1,958	St. Genevieve		12-12-44	
63	Williamson	Superior, Pulley et al. 1	13-9S-3E	2,790	2,776	St. Louis		4-18-44	

<sup>o</sup> In Mayberry field. Old well deepened, plugged back to McClosky producer.<sup>a</sup> Old well deepened. In Johnsonville field.

TABLE 3.—*Completions and Production in Illinois since January 1, 1936*

Period of Time	Number of Completions <sup>a</sup>	Number of Producing Wells	Production, Thousands of Barrels		
			New Fields <sup>b</sup>	Old Fields <sup>b,c</sup>	Total <sup>d</sup>
1936.....	93	52			4,445
1937.....	449	292	2,884	4,542	7,426
1938.....	2,541	2,010	19,771	4,304	24,075
1939.....	3,675	2,970	90,908	4,004	94,912
1940.....	3,820	3,080	142,969	4,678	147,647
1941.....	3,838	2,925	128,993	5,145	134,138
1942.....	2,016	1,179	101,837	4,753	106,590
1943.....	1,791	1,087 <sup>e</sup>	77,586	4,674	82,250
1944: Jan.....	127	78	6,426	357	6,783
Feb.....	130	86	6,030	361	6,391
Mar.....	113	69	6,315	389	6,704
Apr.....	138	88	5,983	357	6,340
May.....	127	79	6,216	398	6,614
June.....	176	111	5,897	366	6,263
July.....	214	122	6,023	352	6,375
Aug.....	188	112	6,137	402	6,539
Sept.....	201	135	5,889	372	6,261
Oct.....	178	104	6,141	378	6,519
Nov.....	199	127	5,906	369	6,275
Dec.....	200	124	5,983	366	6,349
Total....	1,991	1,235 <sup>f</sup>	72,946	4,467	77,413

<sup>a</sup> Includes only oil or gas producers and dry holes.<sup>b</sup> Production figures based on information furnished by oil companies and pipe-line companies.<sup>c</sup> Includes Devonian production at Sandoval and Bartelso.<sup>d</sup> From the U. S. Bureau of Mines.<sup>e</sup> Includes 22 wells formerly dry holes.<sup>f</sup> Includes 12 wells formerly dry holes.

wells were drilled during 1944 include Albion Consolidated (Edwards County), Bible Grove (Clay-Effingham Counties), Clay City Consolidated (Clay-Wayne Counties), Mt. Carmel (Wabash County), Noble (Richland-Clay Counties), and Philipstown Consolidated (White County).

#### FEDERAL WELL-SPACING REGULATIONS

A change in the regulations of the Petroleum Administration for War governing well spacing in Illinois pools, which was put into effect in April of 1944,<sup>1</sup> is reflected in a decreased percentage of wildcat completions for the year as compared with 1943. Although the number of wells drilled for oil or gas increased from 1791

in 1943 to 1991 in 1944, the number of wildcat wells decreased from 461 wells to 430.

TABLE 4.—*Wildcat Wells Drilled in Illinois in 1944*

Method of Location	Number of Wells	Number of Producers	Percentage of Wells Successful
Geology.....	273	44	16.11
Seismograph.....	70	16	22.85
Geology and seismograph.....	21	4	19.04
Total scientific.....	364	64	17.58
Nonscientific.....	59	6	10.17
Unknown.....	7	0	0
Total.....	430	70	16.27

The revised regulations permitted drilling of twice as many lime or deep sand wells per 40 acres as under earlier spacing patterns. The immediate effect was a tendency to drill additional wells in proved areas that had been developed on wider spacing patterns during the preceding two years. With drilling limited by the number of rigs and amount of material available, the amount of wildcatting necessarily decreased. By the end of the year the majority of these additional locations had been drilled.

#### ECONOMIC DATA

Posted prices for Illinois crude oil in 1944 remained \$1.37 for the central basin fields, Salem area, and Griffin area, and \$1.22 per barrel for oil in the old Southeastern Illinois fields. The value of crude oil produced in Illinois during 1944, exclusive of premium payments, amounted to approximately \$105,385,760.

The Office of Price Administration's stripper-well premium plan provided that price premiums should be paid, beginning Aug. 1, 1944, for production from pools that had an average production per well per day in December 1943 of less than 9 bbl., in accordance with the following schedule:

<sup>1</sup> Supplementary Order No. 5, as amended Apr. 19, 1944 to Petroleum Administrative Order No. 11, as amended Jan. 1, 1944. (Applicable to petroleum production operations in the Illinois basin.)

AVERAGE PRODUCTION PER WELL  
PER DAY IN DECEMBER 1943

From 7 to 9 bbl.  
From 5 to 7 bbl.  
Less than 5 bbl.

ADDED PRICE  
PER BARREL,

CENTS  
20  
25  
35

The premium is paid by the Defense Supplies Corporation to the oil purchasers, who add the amount of the premium to the regular price paid to the producers. Federal premiums were granted in a total of 54 pools between Aug. 1 and Dec. 31, 1944.

Total footage of wells drilled for oil or gas in Illinois during 1944 was 5,185,408 ft.

Of this amount 3,194,316 ft. was drilled in producing wells. On the basis of an estimated average cost of \$3.50 per foot of drilling, the total cost of drilling was about \$18,150,000. A total of 1,073,714 ft. was drilled in the 430 wildcats completed during the year. Using the same estimated figure of \$3.50 per foot, the cost of wildcat drilling amounted to \$3,760,000. The average depth of all wells completed in the state in 1944 was 2604 ft, as compared with 2573 in 1943.

TABLE 5.—Summary of Drilling and Initial Production in Illinois for 1944<sup>a</sup>

County	Number of Wells Drilled in 1944			Total Initial Production		Footage Drilled in 1944	
	Total Completions	Total Producing		Oil, Bbl.	Gas, Millions Cu. Ft.	Total	Producing Wells
		Oil	Gas				
Bond.....	18	7	0	172	0	28,148	7,900
Clark.....	22	9	0	67	0	17,738	3,948
Clay.....	176	135	0	10,635	0	465,805	347,095
Clinton.....	19	1	0	6	0	29,590	974
Coles.....	14	10	0	295	0	22,984	17,023
Crawford.....	5	1	1	5	0.5	9,130	1,800
Cumberland.....	6	1	0	15	0	7,645	356
Douglas.....	2	0	0	0	0	4,985	0
Edwards.....	143	95	0	13,462	0	425,590	272,180
Effingham.....	38	15	0	897	0	96,120	37,810
Fayette.....	19	1	0	30	0	38,206	1,557
Ford.....	1	0	0	0	0	2,237	0
Franklin.....	50	23	0	1,269	0	130,221	55,179
Gallatin.....	42	25	0	2,264	0	100,069	54,781
Greene.....	2	0	0	0	0	2,210	0
Hamilton.....	111	66	0	5,912	0	361,780	209,397
Hancock.....	2	0	0	0	0	3,950	0
Henderson.....	9	0	0	0	0	4,794	0
Jackson.....	2	0	0	0	0	5,916	0
Jasper.....	18	5	0	479	0	52,684	14,871
Jefferson.....	142	88	0	12,101	0	366,695	214,734
Kendall.....	1	0	0	0	0	2,328	0
Lawrence.....	57	20	3	526	3.675	110,478	38,294
McDonough.....	3	0	0	0	0	2,411	0
Macoupin.....	3	1	0	8	0	3,124	469
Madison.....	51	38	0	5,251	0	101,318	74,723
Marion.....	46	26	0	873	0	90,634	42,901
Monroe.....	2	0	0	0	0	1,418	0
Montgomery.....	11	3	0	16	0	11,975	1,932
Perry.....	5	0	0	0	0	8,580	0
Pike.....	2	0	0	0	0	3,807	0
Randolph.....	3	0	0	0	0	1,634	0
Richland.....	111	74	1	23,904	1.771	338,700	226,297
St. Clair.....	12	4	0	177	0	11,088	2,728
Saline.....	6	1	0	7	0	12,493	1,520
Schuyler.....	4	0	0	0	0	2,852	0
Shelby.....	5	0	0	0	0	8,404	0
Union.....	1	0	0	0	0	1,949	0
Wabash.....	201	136	1	12,175	1.00	456,341	307,859
Washington.....	13	4	0	101	0	19,375	5,442
Wayne.....	330	242	0	35,235	0	1,042,562	760,442
White.....	277	186	0	20,453	0	759,581	492,104
Will.....	1	0	0	0	0	1,958	0
Williamson.....	4	0	0	0	0	9,041	0
	1,991	1,217	6	146,335	6.946	5,185,408	3,194,316

<sup>a</sup> Does not include input wells, salt-water disposal wells, or old wells worked over.

TABLE 6.—*Fields with Wells Producing from More than One Formation*

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations <sup>a</sup>
Flora.....	Clay	3	3AM
Iola.....	Clay	28	1TA, 2CPBA, 10CBA, 1CA, 1PBA, 11BA 1BReA, 1RM
Kenner.....	Clay	1	1BA
Sailor Springs Consolidated.....	Clay	4	3TC, 1GC
Clay City Consolidated.....	Clay, Wayne	97	1CB, 1CAM, 3CR, 6CM, 1CA, 2AL, 1AR, 1ALM, 8ARM, 44AM, 3LM, 26RM
Albion Consolidated.....	Edwards	30	2BrBi, 1BrDA, 2BrH, 1BrA, 1BiWTM, 1BiWReA, 1BiWReM, 8BiW, 1BiWRe, 1BiWLM, 2WReA, 1WBA, 1WReAM, 1WReM, 1WReB, 1BA, 1BRe, 1BReA, 1ReA, 1ReAM
Albion East.....	Edwards	3	1CAM, 1PB, 1LM
Cowling.....	Edwards	2	2CB
Browns.....	Edwards	6	1CB, 1CBM, 4CM
Ellery.....	Edwards	1	1AM
Grayville.....	Edwards, White	1	1PaC
Louden.....	Fayette, Effingham	664	253CP, 148CB, 209CPB, 65PB
Benton North.....	Franklin	2	1PA, 1AL
Sesser.....	Franklin	1	1RM
Whittington.....	Franklin	1	1St. M.
Inman East.....	Gallatin	16	1DCL, 1CiPa, 3CIT, 1PaW, 1PaWT, 2PaT, 2WT, 1WTC, 2WC, 2TC
Inman West.....	Gallatin	6	5TC, 1TCM
Omaha.....	Gallatin	3	3PaT
Blairsville.....	Hamilton	2	1AM, 1ALM
Dale-Hoodville.....	Hamilton	99	5TC, 1TA, 1CA, 1PA, 86BA, 2BM, 1ARM, 2AM
Rural Hill.....	Hamilton	71	1CPAL, 1CAL, 21AL, 1AR, 15ALM, 30AM, 2LR
Boos North.....	Jasper	6	6RM
Boyd.....	Jefferson	6	6BA
Coil West.....	Jefferson	4	1AL, 1ALM, 1LRM, 1LM
Divide West.....	Jefferson	1	1LM
King.....	Jefferson	2	1AL, 1ALRM
Mt. Vernon.....	Jefferson	1	1LM
Roaches.....	Jefferson	3	3RM
Roaches North.....	Jefferson	1	1BR
Woodlawn.....	Jefferson	1	1CB
Salem.....	Marion	951	580BA, 2BAMS, 5BM, 2BMS, 1RM, 308MS, 3MD, 49DTr, 1SD
Calhoun North.....	Richland	1	1RM
Noble.....	Richland, Clay	5	5CM
Parkersburg Consolidated.....	Richland, Edwards	6	6CM
Dundas Consolidated.....	Richland, Jasper	16	1CM, 2AM, 13RM
Keensburg Consolidated.....	Wabash	26	4BIT, 3BiC, 2BiA, 10CB, 1CP, 1CBA, 1CA, 2BA, 2AM
Maud.....	Wabash	2	2WM
Mt. Carmel.....	Wabash	34	1PeT, 1PeC, 1JC, 8BiC, 3BiCM, 1PeM, 5TC, 2CB, 9CM, 1LM, 2RM
Patton West.....	Wabash	1	1CL
Lancaster.....	Wabash, Lawrence	1	1LM
Irvington.....	Washington	3	2CB, 1BA
Boyleston Consolidated.....	Wayne	9	3AM, 5LM, 1RM
Cisne.....	Wayne	15	4AM, 7ARM, 1LM, 3RM
Goldengate Consolidated.....	Wayne	13	5AM, 5LR, 2LRM, 1LM
Johnsonville.....	Wayne	45	1AL, 6ALM, 1ALRM, 30AM, 7LM
Johnsonville North.....	Wayne	1	1LM
Mt. Erie South.....	Wayne	2	2AM
Sims.....	Wayne	13	13AM
Sims North.....	Wayne	8	4ALM, 4LM
Aden Consolidated.....	Wayne-Hamilton	17	6ALM, 1AR, 2ARM, 8AM
Burnt Prairie.....	White	2	2AM
Calvin North.....	White	1	1PePa
Carmi North.....	White	1	1CA
Centerville East.....	White	2	1TL, 1TCM
Concord.....	White	5	2TM, 3CM
Herald.....	White	2	1TA, 1CA
Iron.....	White	4	3TH, 1CB
Maunie North.....	White	4	1CB, 1PA, 2BA
Maunie South.....	White	3	1BrC, 2PT
New Harmony.....	White	193	1PeBA, 1BiCA, 6WCBA, 2WC, 2WB, 2WCBAM, 9WCB, 1WM, 1WBM, 1WCA, 1WT, 1WTC, 1WBA, 1TPB, 1TB, 1TCM, 1TM, 2TC, 1TA, 1TP, 1TPC, 5CP, 7CBM, 13CBAM, 33CB, 1CM, 1CPM, 13CA, 1CPB, 1CPBAM, 2CPA, 10CBA, 14PA, 1PAR, 32PB, 15BA, 1BM, 5AM, 1RM

TABLE 6.—(Continued)

Field	County	Total Number of Combination Wells	Number of Wells and Producing Formations <sup>a</sup>
New Haven.....	White	4	4TCB
Phillipstown Consolidated..	White	11	1BiCA, 3CiT, 1PeT, 1CBA, 1CAM, 2BA, 1PaB, 1BRM
Stokes.....	White	11	2TP, 1TA, 2CP, 3CB, 2CA, 1PA
Roland.....	White, Gallatin	40	9WB, 2WP, 1WCPA, 1WCP, 1TC, 6CB, 4CA, 2CBA, 1CALM, 3BA, 1BAM, 9WA
Mill Shoals.....	White, Hamilton Wayne	4	3AL, 1LR
		2,522	

<sup>a</sup> Names of sands are indicated as follows:

Pe, Pennsylvanian	D, Degonia	H, Hardinsburg	A, Aux Vases	St., St. Louis
Br, Bridgeport	Cl, Clore	C, Cypress	L, Levias	S, Salem
Bi, Biehl	W, Waltersburg	P, Paint Creek	R, Rosiclare	D, Devonian
J, Jordan	T, Tar Springs	B, Bethel	M, McClosky	Tr, Trenton
Pa, Palestine	G, Glen Dean	Re, Renault		

## PIPE LINES

Construction of pipe lines in Illinois during 1944 was confined to two trunk lines carrying refined products, and to several short spurs serving primarily to connect new pools to pre-existing lines as shown in the detailed statement below.

*Crude Oil*

Central Pipe Line Co.—2 miles 4-in., Dupo field to S. and D. refinery, Dupo, St. Clair County; 2 miles 2-in., Ewing pool south to loading racks on paved highway, Franklin County.

Kingwood-Breuil Consolidated Pipe Line Co.—1 mile 4-in., Boyd field to Texas Company's 6-in. Woodlawn-Salem line, Jefferson County.

Ohio Oil Co.—2½ miles 14-in., Wood River Station to the Allied Pipe Line Co. dock on the Mississippi River, Madison County.

Sohio Pipe Line Co.—5 miles 2-in., Dahlgren field to Mayberry field, connecting through Texas Company's 4-in. feeder to Texas Hoodville-Johnsonville line, Hamilton and Wayne Counties; 2½ miles 4-in., south part of Albion field to Ohio's Albion station, Edwards County; 2½ miles 4-in., New Haven West field to Sohio's Inman line, Gallatin County; 6 miles 3-in., Calhoun field to Olney, Richland County; 6 miles 4-in., Bogota field to Pure Oil's Dundas-Noble line, Jasper County; 2 miles 4-in., Marine pool to Magnolia 10-in., Madison County.

Superior Oil Co.—3 miles 4-in., Brown's pool to Sohio line in Albion, Edwards County.

The Texas Pipe Line Co.—6 miles 4-in., Roaches North field to Woodlawn station, Jefferson County.

*Refined Products*

Ohio Oil Co.—8 miles (in Illinois) 8-in., Robinson refinery, Crawford County, to Indianapolis, Ind.

The Texas Pipe Line Co.—34 miles 6-in., Lockport refinery, Cook County, Ill., to E. Chicago, Ind.

## REFINERIES

No new refineries were constructed in Illinois during 1944. Total daily refinery capacity was about 300,000 barrels.

TABLE 7.—Natural Gas Produced in Illinois and Marketed in 1944

Field	County	Where Marketed	Amount Marketed, M Cu. Ft.
Russellville (gas)....	Lawrence	Illinois, Indiana, Kentucky	600,000
Ayers (gas)....	Bond	Greenville, Ill.	15,000
Salem.....	Marion	Salem, Ill.	180,000
Louden....	Fayette	Vandalia, St. Elmo, Brownstown, Ill.	545,000
			1,340,000

During 1944, Illinois crude-oil production amounted to 23.4 per cent of the runs to stills for refineries in the Central Refining District (Illinois, Indiana, Kentucky, Michigan, and western Ohio) and the Appalachian Refining District (eastern Ohio, western New York, western Pennsylvania and West Virginia). For December

1944, the runs to stills in these two districts were 25,891,000 bbl. Illinois production amounted to 24.5 per cent.

Stocks of crude petroleum on hand in

gas from oil wells in the Benton, Dale-Hoodville, Loudon, New Harmony, Salem, and Southeastern fields was utilized in 1944 in natural gasoline plants to produce

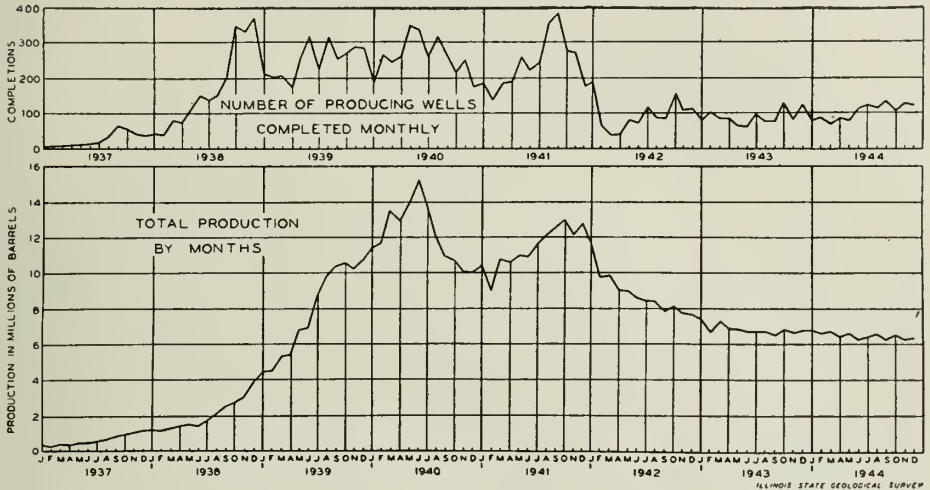


FIG. 1.—NUMBER OF PRODUCING WELLS COMPLETED MONTHLY AND OIL PRODUCTION BY MONTHS IN ILLINOIS, 1937-1944.

Illinois on Dec. 31, 1944, were 14,390,000 bbl. as compared with 14,053,000 bbl. on Dec. 31, 1943. Stocks of refined products in the Central and Appalachian refining districts compared with 1943, according to the U. S. Bureau of Mines, are as follows:

PRODUCT	DEC. 31, 1944, BBL.	DEC. 31, 1943, BBL.
Gasoline.....	21,403,000	18,514,000
Kerosene.....	2,417,000	2,622,000
Gas oil and distillate fuel.....	6,616,000	6,947,000
Residual fuel oil.....	3,293,000	3,307,000

#### NATURAL GAS, NATURAL GASOLINE AND LIQUEFIED PETROLEUM GASES

The total gas production of all Illinois oil and gas fields in 1944 is estimated at 45 to 60 billion cubic feet. Of this amount a little over one per cent is produced from gas fields or from gas wells in oil fields, and somewhat over 2 per cent is sold to industrial or domestic users. Table 7 indicates the source and disposal of this commercially marketed gas.

Approximately 22 billion cubic feet of

64,500,000 gal. of natural gasoline and 136,000,000 gal. of liquefied petroleum gases. Of 15 to 17 billion cubic feet of residue gas from these operations, approximately half was returned to the producing formations, one third was utilized as fuel in the plants or on leases, 725 million cubic feet was marketed commercially, and somewhat over two billion cubic feet was burned in flares. Well over half of the unmetered gas produced in fields without pipe-line connections or natural gasoline plants is used as lease fuel. It seems likely that considerably less than one sixth of all the gas produced in Illinois in 1944 was allowed to escape or was burned in flares without being utilized.

#### SECONDARY RECOVERY

In the Patoka pool the break in the rate of decline and the subsequent increase in production from 298,000 bbl. in 1943 to 630,000 bbl. in 1944 can be attributed primarily to the water-flooding project

begun by the Felmont Corporation in 1943. During 1944, injection of 1,377,000 bbl. of water to the Bethel sand through 30 injec-

ting of the year to eight and finally seven at the end of the year. The result was an increase of 85,500 bbl. of oil during the

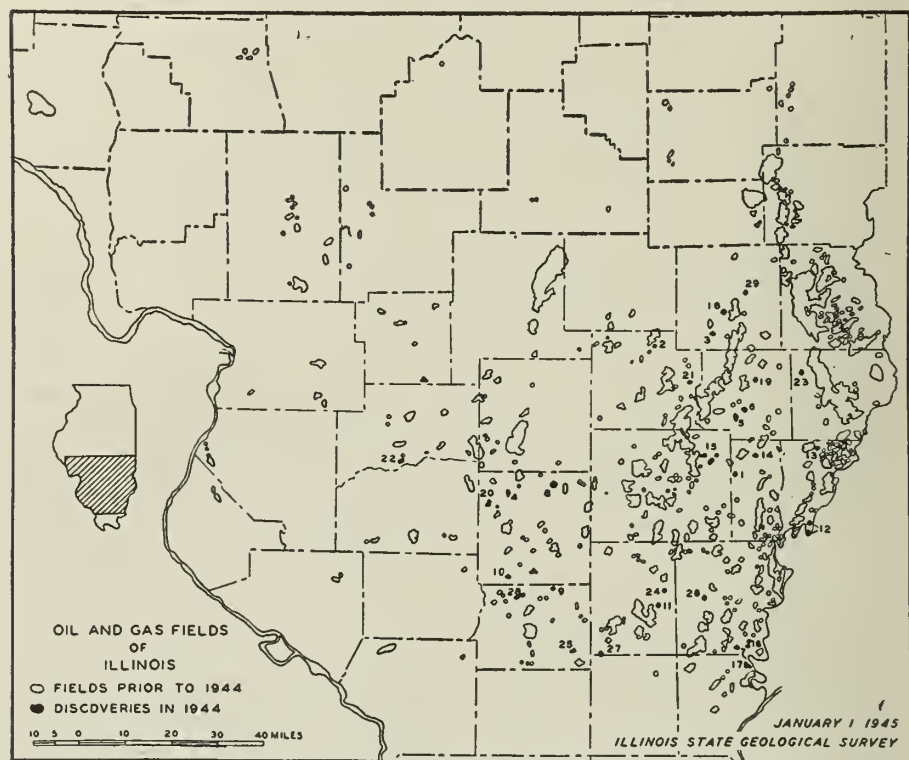


FIG. 2.—INDEX MAP OF NEW OIL FIELDS DISCOVERED IN ILLINOIS IN 1944.

Older fields are also shown except Colmar-Plymouth, in McDonough and Hancock Counties, which is outside of the area of the map.

- |                     |                         |                            |
|---------------------|-------------------------|----------------------------|
| 1. Bennington South | 12. Keensburg South     | 22. Santa Fe               |
| 2. Bible Grove East | 13. Lancaster East      | 23. Sumner                 |
| 3. Bogota South     | 14. Maplegrove East     | 24. Thackeray              |
| 4. Boyd             | 15. Mt. Erie North      | 25. Thompsonville North    |
| 5. Calhoun          | 16. New Haven North     | 26. Trumbull               |
| 6. Calhoun North    | 17. New Haven West      | 27. West End               |
| 7. Concord South    | 18. Newton              | 28. Whittington West (dis- |
| 8. Divide West      | 19. Olney East          | covered in 1943; named     |
| 9. Ewing            | 20. Roaches North       | 2/3/44)                    |
| 10. Fitzgerald      | 21. Sailor Springs East | 29. Willow Hill            |
| 11. Hoodville East  |                         |                            |

tion wells resulted in an estimated increased production of 470,000 bbl. of oil.

In the Clay City Consolidated pool the Pure Oil Co. injected 1,413,000 bbl. of water into the McClosky through a number of wells, varying from three at the begin-

year. The cumulative increased production in this operation by the end of the year was estimated at 146,000 bbl. The same company in 1944 began a flood through eight McClosky input wells in Dundas Consolidated pool, injecting 1,489,000

bbl. of water, with a resultant production increase of 83,800 bbl. Injection of 59,000 bbl., begun in 1944 through one well in the townsite area of Noble Consolidated pool, had resulted in an increased production of 369 bbl. by the end of the year. It is noteworthy that all of these flooding projects by the Pure Oil Co. are in a limestone rather than a sandstone producing zone.

The Forest Oil Corporation's flooding operation in the Westfield pool, Clark County, was abandoned July 1, 1944, after injection of 573,000 bbl. of water had failed to induce commercial production. This company's second flood, in the Siggins pool in Cumberland County, begun in 1942, was continued and had a cumulative production of 31,000 bbl. at the end of 1944, all from flowing wells, after the injection of 923,000 bbl. of water. Their third flood, on a lease adjoining the second, was begun in 1944 with a wider spacing pattern and with the producing wells pumped rather than flowed. Although this work was barely started in 1944, it had produced 35,000 bbl. of oil by Dec. 31, with injection of 305,000 bbl. of water through three injection wells. These projects are operating in shallow Pennsylvanian sands.

Minor water-flooding projects and accidental flooding due to faulty plugging of abandoned wells have arrested decline curves or increased production on certain leases in a number of pools, including Allendale (Wabash and Lawrence Counties); Keensburg Consolidated (Wabash County); Lawrence (Lawrence County); the Crawford County division; and in Centralia (Marion and Clinton Counties).

The extensive long-term gas-recycling and pressure-maintenance projects in Salem, Loudon, and New Harmony Consolidated remain successful in partially arresting the rate of production decline. The total increased production, although very large, is from the nature of this type of operation difficult to estimate. The

Louden project, begun early in the history of the pool, has maintained pressure so successfully that 161 wells are still flowing, after seven years. In this pool approximately five million cubic feet of gas is injected daily through 98 input wells. As a result of the success of these projects, a number of similar operations have been started during 1944 in Illinois basin pools. The pools involved in these newer operations include Dale-Hoodville, Rural Hill, Mt. Carmel, Walpole, and Benton.

Repressuring projects in several of the older fields, using injection of air, gas, or air and gas simultaneously, were begun at various times in the history of the field and estimates of increased production are available. In a project begun in 1935 in the Colmar-Plymouth field, injection of 312 million cubic feet of air through 65 wells in 1944 resulted in an increased production of 57,000 bbl. The cumulative increase per acre in this project over a 16-yr. period has amounted to approximately 500 bbl. Summary of a number of projects in Crawford County indicates that approximately 1,300,000,000 cu. ft. of air and gas was injected in 1944 through 280 wells, 90 of which were converted or drilled during the year. Considerable extensions to the areas being repressured in the Southeastern field are being planned for the near future.

#### OUTLOOK FOR 1945

Drilling in Illinois is expected to continue in 1945 at nearly the same rate as in 1944, with probably some increase in wildcat drilling. During 1945 and 1946 a considerable number of 10-yr. leases will expire unless renewed or unless production is discovered on them. Continued demand for oil in this region for both military and civilian uses will encourage production by all possible methods, including both attempts to discover new pools and expansion of secondary recovery.

Increased costs of drilling, and shortage of equipment and manpower are factors

that limit the rate of drilling development. Since May 21, 1941, the price of crude oil has been frozen, but since that time drilling and production costs have risen sharply. The price premium for stripper well production is of some help but it does not meet the situation.

Geological data from thousands of wells in Illinois reveal a different picture of the oil reservoirs than was available two or three years ago. Production is from many small lenticular reservoirs, and many producing structures are so small as to be near the limits of error of the reflection seismograph. This means that, aside from the possibility of pre-Mississippian production in Illinois, wildcat drilling for Mississippian

and Pennsylvanian sands will continue in Illinois for many years, and that many more pools, extensions, and new pays remain to be discovered and developed. This and the expansion of secondary recovery of oil promise well for the future of the oil industry in this region.

#### ACKNOWLEDGMENTS

The writers are indebted to many oil and gas companies, pipe-line companies, and refining companies for data used in this report. The following members of the Survey staff assisted in preparing the report: Carl A. Bays, Frederick Squires, David H. Swann, Wayne F. Meents, James S. Volton, and Margaret Sands.

## FOOTNOTES TO COLUMN HEADINGS—

TABLE I

<sup>a</sup> All fields to be listed alphabetically and if by counties the latter also in alphabetical order. If the field is a gas field, or is primarily a gas-producing field, indicate by asterisk immediately after the name of the field, as, for example, Katy,\* *Waller*.

<sup>b,d</sup> Total area in surface acres in the field proved for production.

<sup>c</sup> Total production in barrels of oil and/or distillate or condensate; and show by footnote, where possible, the amount of distillate or condensate production.

<sup>e</sup> Volume of gas produced from the field and not returned to the reservoir.

<sup>f</sup> Include all original completions, but exclude workovers and wells deepened or plugged back. *Abandoned* refers only to wells abandoned after having produced oil and/or gas and is not to include wells abandoned without having secured production.

<sup>g</sup> A well producing both oil and gas is classified as an oil well, unless it has been designated as a gas well by the State regulatory agency. Gas wells are wells producing gas only, wells producing condensate or distillate, and wells producing some oil but classified as gas wells by the State regulatory agency.

<sup>h</sup> Show type of operation as indicated by the following symbols: P, pressure maintenance; G, gas injection; W, water injection; C, cycling.

<sup>i</sup> Show weighted average gravity A.P.I. at 60°F. as oil is delivered to the pipe lines, and percentage of sulphur, if any, in the oil. Where oils from more than one stratum are commingled and delivered into the pipe line at a gravity of 26 to 26.9, show as 26°, etc.

<sup>j</sup> Show name of producing formation, and show its age by abbreviation as follows: Cam, Cambrian; Ord, Ordovician; Sil, Silurian; Dev, Devonian; Mis, Mississippian; MisL, Lower

Mississippian; MisU, Upper Mississippian; Pen, Pennsylvanian; Per, Permian; Tri, Triassic; Jur, Jurassic; CreL, Lower Cretaceous; CreU, Upper Cretaceous; Eoc, Eocene; Olig, Oligocene; Mio, Miocene; Pli, Pliocene.

<sup>k</sup> Show character of formation by code letter as follows: A, anhydrite; C, chalk; Cg, conglomerate; Ch, chert; CR, cap rock; D, dolomite; Da, arkosic dolomite; Gw, granite wash; Sh, shale; L, limestone; LS, limestone, sandy; OL, oolitic limestone; S, sandstone.

<sup>l</sup> Figures represent ratio of pore space to total volume of net reservoir rock expressed in per cent. P indicates reservoir rock is of porous type, but ratio is not known by the author. Cav indicates that the reservoir rock is of cavernous type; and Fis, fissure type.

<sup>m</sup> Show actual depth to top of producing stratum. If producing zone is a series of interbedded sands and shales, and the sands are all productive or capable of producing, show the depth to top of top sand member.

<sup>n</sup> Show actual average thickness that is producing or known to be productive. If, for example, average thickness of productive zone above water level is 50 feet, show 50 feet, even though wells are completed in only upper 10 or 15 feet of zone.

<sup>o</sup> A, anticlinal; AF, anticlinal with faulting as important factor; Af, anticlinal with faulting as minor factor; AM, accumulation due to both anticlinal and monocline structure; D, dome; DS, salt dome; H, strata are horizontal or nearly horizontal; MC, monocline with accumulation due to change in character of stratum; MF, monocline-fault; MI, monocline with accumulation against igneous barrier; ML, monocline-lens; MU, monocline-unconformity; MP, monocline with accumulation due to sealing at outcrop by asphalt; N, nose; S, syncline; T, terrace; TF, terrace with faulting as important factor.

<sup>p</sup> Show name of deepest stratigraphic zone tested and total depth of well which tested such zone, whether it is deepest well in field or not.

*x* Correct entry not determinable.

